UNIVERSIDADE PAULISTA - UNIP

PROGRAMA DE PÓS-GRADUAÇÃO EM PATOLOGIA AMBIENTAL E EXPERIMENTAL

POTENCIAL ANTIOXIDANTE DE EXTRATOS VEGETAIS DE PLANTAS AMAZÔNICAS E DA MATA ATLÂNTICA

Dissertação apresentada ao Programa de Pós-graduação em Patologia Ambiental e Experimental da Universidade Paulista – UNIP para a obtenção do título de Mestre em Patologia Ambiental e Experimental.

LUCYANA CANO MARIN

São Paulo

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“Que os nossos esforços desafiem as impossibilidades.
Lembrai-vos de que as grandes coisas do homem foram conquistadas do que parecia impossível!”

Charlie Chaplin

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RESUMO

A utilização de plantas com fins medicinais, para tratamento, cura e prevenção de doenças, é uma das mais antigas formas de prática medicinal da humanidade. O Brasil, com sua enorme biodiversidade, representada por uma das mais ricas floras do mundo, é um celeiro de possibilidades de se descobrir novos medicamentos baseados em produtos naturais. A busca por cosméticos mais eficientes e capazes de prevenir e amenizar os efeitos do tempo sobre a pele é uma realidade. Os extratos de plantas medicinais com ação antioxidante são insumos cada vez mais procurados para o desenvolvimento de novos cosméticos com ação contra o envelhecimento cutâneo. O presente estudo teve como objetivo analisar 900 extratos vegetais obtidos de plantas amazônicas quanto à capacidade antioxidante e à presença de algumas classes químicas. Usando técnicas de cromatografia de camada delgada, a presença de alcaloides, antraquinonas, cardenolídeos, flavonoides e terpenos, e a avaliação da sua atividade antioxidante foram estudados, utilizando-se reveladores como beta-caroteno e 2,2-difenil-1-picril-hidrazil (DPPH), reagente de Dragendorff, reagente de Kedde, reagente de Borntraeger, H_2SO_4, difenilboriloxietildiamina (NP), luz UV 254nm e 366nm. Alcaloides ocorreram em 8,2% dos extratos, antraquinonas ocorreram em 1,78% dos extratos e cardenolídeos ocorreram em 8,88% dos extratos. Apenas 8,56% dos extratos mostraram atividade antioxidante no modelo do beta-caroteno, enquanto 77,56% dos extratos responderam positivamente no modelo do DPPH. O presente estudo demonstrou que uma elevada porcentagem dos extratos vegetais testados pode ser usada como fontes de agentes antioxidantes a serem usados em cosméticos, provavelmente pela presença de compostos fenólicos, que são agentes antioxidantes. Porém, estudos mais aprofundados ainda são necessários para que a capacidade antioxidante possa ser quantificada, e o grau de segurança dos extratos potencialmente aplicáveis em cosméticos seja determinado.

Palavras-chave: Extratos vegetais, antioxidantes, radicais livres, plantas amazônicas, cosméticos, classes químicas.

ABSTRACT

The use of plants as medicines and in disease prevention is one of the oldest practices of mankind. From this point-of-view, Brazil, having the richest biodiversity of the world, maily because of its terrestrial species richness, is a sorce of potencial cosmetic inputs, once studies are still scarce, in this area. The search for efficacy in cosmetic treatments that are able to prevent or even diminish the effects of time over skin is a reality today, particularly aiming the reduction of skin age. The present study aimed the analysis of 900 plant extracts in relation to their antioxidant capacity and were chemically screened aiming the identification of some groups of compounds. Using thin layer chromatography, the presence of alkaloids, anthraquinones, cardenolides, flavonoids, terpenes and the antioxidant activity were accessed. Beta-carotene and 2,2-diphenyl-1-picryl-hydrazyl (DPPH), Dragendorff reagent, Kedde reagent, Borntraeger reagent, H_2SO_4, diphenylboriloxyethyldiamin (NP) and UV 254 nm and 366 nm were used in the chemical classes evaluation and antioxidant activity evaluation Alkaloids occurred in 8,2% of the extracts, anthraquinones occurred in 1,78% of the extracts and cardenolides occurred in 8,88% of the extracts. Only 8,56% of the extracts showed positive results in the beta-carotene model, while 77,56% of the extracts showed positive results in the DPPH radical scavenging model. The present study demonstred that a high percentage of the extracts hás potential to be used in cosmetics as a source of antioxidant compounds, maybe due to the presence of phenolic compounds, yet to be determmined. Also, deep studies are still needed, as the quantification of the antioxidant activity and the evaluation of their toxicity.

Keywords: Plant extracts, antioxidants, free radical, Amazon plants, cosmetics, chemical classes.

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OMS	Organização Mundial de Saúde
RL	Radical livre
ERO	Espécie reativa de oxigênio
ERN	Espécie reativa de nitrogênio
HO^-	Hidroxila
ROO^-	Peroxila
RO^-	Alcoxila
NO^-	Oxido nítrico
N_2O_3	Oxido nitroso
HNO_2	Ácido nitroso
NO_2	Nitrito
NO_3	Nitratos
ONOO	Peroxinitritos
SOD	Superóxido desmutase
CAT	Catalase
GPx	Glutationa peroxidase
GR	Glutationa redutase
UV	Ultravioleta
DPPH	Diphenyl-1-picrylhydrazyl
NP	Diphenylboryloxyethyldiamin

SUMÁRIO

1 INTRODUÇÃO

1.1 Importância do tema

A utilização de plantas com fins medicinais para tratamento, cura e prevenção de doenças é uma das mais antigas formas de prática medicinal da humanidade. No início da década de 1990, a OMS divulgou que de 65% a 80% da população dos países em desenvolvimento dependiam das plantas medicinais como única forma de acesso aos cuidados básicos de saúde (VALDIR *et al;* 2005).

Ao longo do tempo, vários procedimentos clínicos tradicionais utilizando plantas medicinais foram registrados. Apesar da grande evolução da medicina alopática, a partir da segunda metade do século XX existem obstáculos básicos na sua utilização pelas populações carentes, que vão do acesso aos centros de atendimento hospitalares à obtenção de exames e medicamentos. Esses motivos, associados à fácil obtenção e à grande tradição do uso de plantas medicinais, contribuem para sua utilização pelas populações dos países em desenvolvimento (VALDIR *et al*, 2005).

Os extratos vegetais formam a maior categoria de aditivos cosméticos disponíveis hoje no mercado. Os extratos são obtidos de folhas, raízes, frutos, sementes, bagas, caules, galhos, cascas e flores de plantas, facilmente adicionados a sabonetes, hidratantes, cremes de tratamento, cosméticos coloridos e máscaras faciais (DRAELOS, 2005). Porém, deve-se considerar a qualidade dos fitocosméticos como fator decisivo para aceitação e permanência dos produtos no mercado. Dentre os parâmetros a serem considerados com relação ao produto acabado, ressalta-se a importância de informações adequadas sobre a segurança e a eficácia dos produtos, os testes físico-químicos e microbiológicos e os estudos de estabilidade. É fundamental promover e garantir um produto final eficaz, seguro e de qualidade (SILVA *et al*., 2005).

Nos últimos 14 anos, a incorporação de produtos naturais e extratos vegetais em cosméticos virou tendência pelos seguintes fatos: (a) substituição de cosmético de base sintética por produtos naturais; (b) rejeição de testes de produtos com cobaias; (c) redução do uso de matérias-primas de recursos naturais não renováveis pelos renováveis; (d) substituição de óleos graxos de origem animal por aqueles de

origem vegetal; (e) busca por embalagens ecologicamente corretas; (f) adição de óleos essenciais com base nos princípios ativos da aromoterapia e (g) minimização da poluição da unidade fabril (MAIMOM, 2000).

Formular cosméticos naturais significa dar a preferência, sempre que possível, a derivados vegetais, evitando a utilização de substâncias sintéticas. Porém, é extremamente importante haver um balanceamento racional e coerente entre matérias-primas sintéticas e naturais, de modo a maximizar a ação farmacológica, a fim de alcançar melhores efeitos (RODRIGUES, 2001; PIETRO *et al*., 2006).

A cada dia surgem cosméticos mais eficientes e capazes não só de prevenir, mas amenizar os efeitos do tempo sobre a pele, minimizando rugas e linhas de expressão. Por isso, extratos de plantas medicinais com ação antioxidante são cada vez mais procurados para o desenvolvimento de novos cosméticos de ação contra o envelhecimento cutâneo. A atual preocupação com a ação dos antioxidantes e a sua relação com os radicais livres se tornou essencial à compreensão do envelhecimento celular (RODRIGUES *et al*., 2003).

O envelhecimento cutâneo se dá por modificações nos materiais genéticos, resultando no declínio da proliferação celular, levando à perda da elasticidade, da capacidade de regular o metabolismo, e a replicação do tecido se torna menos eficiente (HIRATA, SATO, SANTOS, 2004).

O Brasil, com sua enorme biodiversidade, representada por uma das mais ricas floras do mundo, é um celeiro de possibilidades relativas à descoberta de novos medicamentos baseados em produtos naturais. Por conta da pequena quantidade de estudos químicos e farmacológicos, a avaliação do potencial cosmético/medicamentoso da flora nativa é essencial (GUERRA, NODARI, 2001).

Os consumidores buscam produtos que apresentam elevada qualidade, os quais minimizam os fenômenos de oxidação durante as fases de processamento e armazenagem dos produtos. Além do conjunto de processos que objetivam eliminar e minimizar a atividade oxidante, buscam-se matérias-primas que apresentem características antioxidantes. Por esse motivo, a introdução de novos antioxidantes mais eficazes é indispensável na evolução dos produtos cosméticos (CHORILLI *et al*., 2007; VICENTINO, MENEZES, 2007).

1.2 Química dos radicais livres

A oxidação nos sistemas biológicos ocorre pela ação dos radicais livres (RL) no organismo, gerados no citoplasma, mitocôndrias ou membrana, e o seu alvo celular (proteínas, lipídios, carboidratos e DNA) está relacionado ao seu sítio de formação (ALMEIDA *et al,* 2006). O RL é qualquer espécie química que contenha um ou mais elétrons desemparelhados; são altamente reativos e denominados ERO (espécie reativa de oxigênio) e ERN (espécie reativa de nitrogênio). As principais ERO distribuem-se em dois grupos, os radicalares: hidroxila (HO), superóxido (O_2), peroxila (ROO) e alcoxila (RO); e os não radicalares: oxigênio, peróxido de hidrogênio e ácido hipocloroso. Dentre as ERN incluem-se o óxido nítrico (NO), oxido nitroso (N_2O_3), ácido nitroso (HNO_2), nitritos (NO_2), nitratos (NO_3) e peroxinitritos ($ONOO^-$) (SIES, 1993).

Os RL podem ser gerados a partir de fontes endógenas ou exógenas (dietéticos). Por fontes endógenas, originam-se de processos biológicos, que normalmente ocorrem no organismo, como redução de flavonas e tiois; resultado da atividade de oxidases, cicloxigenases, lipoxigenases, desidrogenases e peroxidases; presença de metais de transição no interior da célula e de sistemas de transporte de elétrons. A geração de radicais livres envolve várias organelas celulares, como mitocôndrias, lisossomos, peroxissomos, núcleo, retículo endoplasmático e membranas (FERREIRA, MATSUBARA, 1997). Embora a configuração química faça dos radicais livres moléculas altamente instáveis, com meia-vida curtíssima e quimicamente muito reativas, sua presença é crítica para a manutenção de muitas funções fisiológicas normais (BIANCHI, ANTUNES, 1999). Já as de fontes exógenas são as Glutationa, ácido lipoico, albumina, ubiquinona (COQ10), ácido úrico, metalationeínas, transferrina e ceruloplasmina.

De 2% a 5% do oxigênio utilizado no organismo resulta em espécie reativa de oxigênio, que se caracterizam por serem átomos ou moléculas altamente instáveis e reativos, isto é, necessitam reagir com outros átomos ou moléculas para se estabilizar. Na busca da estabilidade, o RL pode oxidar-se, perdendo um elétron, ou reduzir-se, ganhando um elétron (SILVA, MURA, 2007).

Células são compostas pelas moléculas que as ERO tentam buscar para se estabilizar, gerando novos RL e prejudicando suas funções. Cada molécula que se

estabiliza gera um novo RL, o qual será neutralizado somente quando esse RL formado se neutraliza com a molécula de um nutriente antioxidante, uma enzima antioxidante ou ainda outro RL (SILVA, MURA, 2007).

1.3 Fisiopatologia dos radicais livres

Atualmente existe grande interesse no estudo dos antioxidantes devido, principalmente, às descobertas sobre o efeito dos radicais livres no organismo. A oxidação é parte fundamental da vida aeróbia e do nosso metabolismo; assim, os radicais livres são produzidos naturalmente ou por disfunção biológica (LEITE, SARNI, 2003).

Uma das maiores causas do envelhecimento cutâneo é a desorganização do mecanismo de defesa antioxidante, provocando doenças na pele, resultado das condições causadas por esse desequilíbrio, consequências de danos a estruturas nela presentes, como lipídios, proteínas e DNA. Estima-se que cerca de 80% dos sinais visíveis causados no envelhecimento são provocados pelos raios ultravioletas (UV) e pelos radicais livres formados pela exposição a estes (BUCHLI, 2002).

No organismo humano, a atividade metabólica normal produz constantemente radicais livres. Essas moléculas, geradas *in vivo*, reagem com DNA, RNA, proteínas e outras substâncias oxidáveis, promovendo danos que contribuiriam para o envelhecimento e a instalação de doenças degenerativas, como câncer, aterosclerose e artrite reumática, entre outras (MELO *et al*, 2006).

Além do câncer e da aterosclerose, os efeitos tóxicos dos radicais livres estão relacionados a doenças como porfirias, cataratas, sobrecarga de ferro e cobre, doença de Alzheimer, diabetes, inflamações crônicas, doenças autoimunes e situações de injúria por isquemia. Outras causas da ação de radicais livres é a ocorrência da doença de Parkinson, da artrite reumatoide e da doença intestinal inflamatória (LUCESOLI, FRAGA, 1995; HALLIWELL; GUTTERDGE, 1999).

Os radicais livres tomam parte na destruição de microrganismos durante o processo de fagocitose, mecanismo essencial na defesa contra infecções, e atuam como fatores de transcrição na sinalização intracelular, induzindo a apoptose. Além do oxigênio, o nitrogênio participa da estrutura dos RL, em especial o óxido nítrico,

cujo precursor é a L-arginina. Entre as principais funções destacam-se a regulação da pressão arterial e a sinalização intercelular (LEITE, SARNI, 2003).

1.4 Importância dos antioxidantes na medicina e cosmetologia

Os antioxidantes são agentes responsáveis pela inibição e redução das lesões causadas pelos RL nas células presentes em baixas concentrações, quando comparada à do substrato oxidável, atrasando ou inibindo a oxidação desse substrato de maneira eficaz (BIANCHI, ANTUNES, 1999).

Os vegetais são ricos em substâncias antioxidantes e atribui-se essa característica ao processo evolutivo dessas espécies como proteção natural aos radicais livres formados pela radiação UV imprescindível à fotossíntese. Diversos extratos vegetais, quando aplicados em modelos animais ou cultura de células, neutralizam a reatividade radicalar, diminuindo lesões celulares, à proteínas, lipídeos, ácidos graxos. Alguns compostos encontrados e extraídos de vegetais são polifenóis, flavonoides, organosulfídeos . Os compostos fenólicos formam o maior grupo de antioxidante extraído de vegetais, neutralizando a reatividade radicalar pela doação de um átomo de hidrogênio (F'GUYER *et al*, 2003; NIKOLIC, 2006).

Compostos antioxidantes estão naturalmente presentes em frutas; algumas apresentam altas concentrações de determinados grupos (ALMEIDA *et al*, 2006).

O consumo de antioxidantes naturais, como os compostos fenólicos presentes na maioria das plantas, que inibem a formação de radicais livres, chamados de substâncias reativas, é associado à menor incidência de doenças relacionadas com o estresse oxidativo (BARREIROS *et al*, 2006).

A utilização de compostos antioxidantes encontrados na dieta, ou mesmo sintéticos, serve como um dos mecanismos de defesa contra radicais livres empregados nas indústrias de alimentos, cosméticos, bebidas e na medicina. (DOROSHOW, 1983; HALLIWEL *et al*, 1995).

As matérias-primas *in natura* disponíveis, como frutas, vegetais e condimentos, contêm várias substâncias químicas, além dos compostos fenólicos, como compostos nitrogenados, carotenoides, ácido ascórbico e tocoferóis. Muitas

dessas substâncias apresentam significante capacidade antioxidante e são associadas à baixa incidência de câncer e baixa mortalidade em seres humanos. (DEGÁSPARI, WASZCZYNSKYJ, 2004).

Rodrigues *et al.* (2013) relatam a composição de dezessete carotenoides e três componentes fenólicos da fruta amazônica mana-cubiu (*Solanum sessiflorum*), estudando sua capacidade antioxidante contra radicais livres baseados em oxigênio e nitrogênio, por meio da cromatografia líquida associada a detectores de espectrometria de massa. Os principais carotenoides foram E-beta-caroteno e a E-beta-luteina, e o principal fenólico o ácido 5-cafeoilquínico, aptos a absorver todas as espécies reativas testadas. Os extratos carotenoides se mostraram mais ávidos pelo radical peroxil, enquanto o extrato hidrofílico era potente em absorção de radicais peróxido de hidrogênio e ácido hipoclorídrico.

Vários extratos medicinais e fitoterápicos com elementos antioxidantes (S-adenosilmetionina, n-acetilcisteina, ácido urso-deoxicólico, silimarina, vitamina E) são usados como agentes citoprotetores em doenças hepáticas (WEBSTER; COOPER, 2009).

A atividade inflamatória está na base fisiopatológica de doenças como câncer, obesidade, diabetes e do próprio envelhecimento; já se sugeriu que a dieta mediterrânea contém polifenóis de atividade antioxidante com potencial profilático e terapêutico para distintas dessas condições, modulando a expressão genética pró-inflamatória da ciclooxigenase, lipoxigenase, sintetases de óxido nítrico e citocinas (SANTANGELO *et al.,* 2007).

Durante o envelhecimento cronológico cutâneo ocorrem modificação do material genético, decréscimo da proliferação celular que resulta na perda de elasticidade, perda da capacidade de regulação do metabolismo, e a replicação do tecido se torna menos eficiente. Oxidações químicas e enzimáticas envolvendo a formação de radicais livres aceleram o fenômeno, gerando estresse oxidativo, cujo maior dano é a peroxidação dos ácidos graxos da dupla camada lipídica, levando à morte celular. Para evitar o processo, a pele possui seu mecanismo de defesa. Entretanto, a capacidade protetora do mecanismo diminui com o envelhecimento e compostos exógenos reforçariam a proteção natural (HIRATA; SATO; SANTOS, 2004).

Os cremes anti-idade ou antirrugas têm a capacidade de evitar ou diminuir a formação precoce das rugas, ou atenuá-las. É muito importante nesses cremes o uso de extratos provenientes de plantas ricas em flavonoides e em outras substâncias polifenólicas, dotadas de ação antirradicalar (antioxidante) e ação estimulante celular (CUNHA *et al*., 2004).

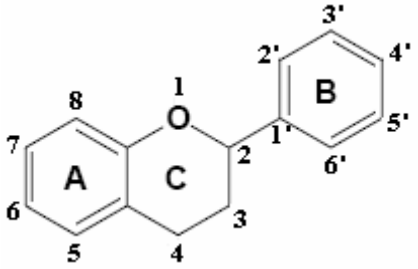
A pele é um dos principais alvos da radiação UV, poluição ambiental, produtos químicos e metais pesados, responsáveis pela formação de RLs. Na cosmologia moderna, o uso de produtos contendo antioxidantes é grande, mas não há padronização para análise da atividade antioxidante desses produtos (ROCHA, 2000).

1.5 Flavonoides e ligninas

Os flavonoides são antioxidantes polifenólicos encontrados nos vegetais. Por possuírem largo espectro de atividades biológica e farmacológica, recebem ampla atenção dos pesquisadores desde a década de 90 (METODIEWA, KOCHMAN, KAROLCZAK, 1997).

Os flavonoides reduzem a geração ou aumento de radicais livres nos macrófagos, podem proteger o-tocoferol na LDL de oxidação por serem oxidados pelos próprios radicais livres. Além disso, podem regenerar tocoferol-ativo pela doação de átomos de hidrogênio ao radical-tocoferol; e este é formado quando doa hidrogênio ao radical de peroxidação lipídica para terminar a reação de cadeia, sequestra íons como ferro e cobre, e dessa forma diminuir os radicais livres no meio (FRANKEL *et al*., 1993).

Figura 1 – Núcleo fundamental dos flavonoides (2-fenil-benzopirano) e sua numeração



Fonte: GARRET (2011). Disponível em: <http://www.quimica2011.org.br/index.php?option=com_content&view=article&id=517:365-dias-todos&catid=35:365dias&Itemid=56>.

As propriedades antioxidantes de ligninas hidrossolúveis presentes em alimentos de diferentes origens vegetais também são possíveis onco-protetores e combatem o envelhecimento (KOCHEVA; KARMANOV; BORISENKOV, 2008).

As ligninas são polímeros complexos de grande rigidez e resistência mecânica, e sua hidrólise alcalina libera grande variedade de derivados dos ácidos benzoico e cinâmico (HSIEH; KINSELLA, 1989).

1.6 Importância da biodiversidade brasileira na identificação de novos ativos antienvelhecimento

A biodiversidade brasileira é uma das maiores do mundo. Embora o número de pesquisas que procuram identificar o potencial medicamentoso ou cosmético da flora brasileira tenha se intensificado, não é suficiente para alcançar todo o espectro de plantas nativas, introduzidas, selvagens ou domesticadas, presentes em cada um dos biomas nacionais. Por esse motivo, estudos em larga escala devem ser feitos para que um maior número de espécies vegetais seja estudado, e seja mais fácil e rápida a aplicação de diferentes abordagens, como a abordagem biológica, na qual são introduzidos modelos biológicos *in vitro* para selecionar os extratos ativos (SUFFREDINI et al., 2004; SUFFREDINI et al., 2006a; 2006b; SUFFREDINI et al., 2007), a introdução de técnicas farmacológicas ou toxicológicas *in vivo* de seleção, que hoje sofreriam sanções dos comitês de ética de uso animal, e a seleção de extratos vegetais por meio de seu perfil químico, utilizando-se diferentes técnicas cromatográficas, entre as quais as mais simples, baseadas em cromatografia em camada delgada.

2 OBJETIVOS

2.1 Objetivos gerais

Avaliar o potencial antioxidante e o perfil químico dos extratos vegetais de plantas amazônicas.

2.2 Objetivos específicos

- Avaliar o potencial antioxidante de extratos vegetais de plantas amazônicas.
- Avaliar a presença de algumas classes químicas em extratos vegetais de plantas amazônicas.

Afr J Tradit Complement Altern Med.

#3257 Review

- SUMMARY
- **REVIEW**
- EDITING

Submission

Authors	Ivana Barbosa Suffredini, lucyana Cano Maryn, Ellen Cristina Montagner Cavarsan, Ingrit Elida Collantes Díaz, Mateus Luís Barradas Paciencia, Sergio Alexandre Frana
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ANEXO 1 – ARTIGO SUBMETIDO PARA PUBLICAÇÃO

Template for submission of manuscripts to Revista Brasileira de Farmacognosia

TLC analysis of Brazilian Amazon plant extracts. Part 1.

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Abstract: Plants are a source of compounds used in the treatment of human and veterinary diseases, and Brazil is one of the richest countries in the world in terms of biodiversity. A large scale screening program has been set up to track for active plant extracts, but there is a lack of chemical information regarding both active and inactive extracts. For that reason, 900 plant extracts obtained from amazon plants were chemically evaluated. Using thin layer chromatography techniques, the presence of alkaloids, anthraquinones, cardenolides, flavonoids and terpenes, as well as the evaluation of their antioxidant activity were studied, using beta-carotene and 2,2-diphenyl-1-picrylhydrazyl (DPPH) assays. Alkaloids occurred in 8.2% of the extracts, anthraquinones occurred in 1.78% of the extracts and cardenolides occurred in 8.88% of the extracts. Only 8.56% of the extracts showed beta-carotene/bleatching response, while 77,56% of the extracts responded as a radical scavenger. Present

chemical findings is the first step in acquiring chemical profiles for the extract, as well as support past and present biological results.

Keywords: Amazon Rain Forest, biodiversity, plant extracts, thin layer chromatography, chemical classes, antioxidant activity.

Conflict of interest: All authors have none to declare

Introduction

Plants are a source of compounds used in the treatment of cancer, heart disorders, infectious diseases, gastritis, etc., and are widely used in traditional medicine. Our group, named *Núcleo de Pesquisas em Biodiversidade*, is focused on the identification of Amazon plant extracts that are active against tumor cell lines and against microorganisms that have importance in human and veterinary health conditions (Suffredini et al, 2006;Matheus de Assis et al., 2009; Ozi et al., 2011; Barrella et al., 2012; Silva et al., 2014; Camargo and Suffredini, 2014; Cunha et al., 2014). Recently, our interest expanded to the identification of antioxidant activity of plant extracts. The group has an extract library composed by 2,164 plant extracts, which consists in the main material of the research. The extract library is composed by extracts that were systematically obtained by the same procedure, and for that reason, it offers a wide range of analysis possibilities, such as the comparison of chemical profiles among extracts and their correlation to botanical, pharmacological and toxicological information (Estork et al., 2014; Gusmão et al., 2013a; Gusmão et al., 2013b). Although the group has been doing chemical studies with a few biologically active plant extracts (Estork et al., 2014; Gusmão et al., 2013a; Gusmão et al., 2013b), there is an urgent need of obtaining information on the chemistry of the biologically active extracts, once the number of citotoxic and antimicrobial active plant extracts are large after all. As the traditional methods of isolation requires large amounts of extracts, and usually is not possible for an individual to work in good conditions with more than four extracts concomitantly, the introduction of techniques that can be performed by one person seems to be more reliable. So, our group developed an approach to gather chemical information of all the extracts that compose our library. The present proposition is based on thin layer chromatography (TLC, Wagner and Bladt, 1996), as this technique is the most universal among the chromatographic techniques, as may establish the support for further analysis utilizing more precise techniques, as spectrometry or hyphenated techniques (jakimska et al., 2014; Singh et al., 2014). The present work aims to perform TLC chemical screening of 900 plant extracts from Herbarium UNIP by the use of traditional reagents related to a few selected chemical classes of compounds, as alkaloids, phenolic compounds, anthraquinones, cardioactive glicosides and for their antioxidant potential.

Materials and Methods

Plant material

Plant material was collected under Brazilian Government license (IBAMA/MMA#012A-2008). Colletor's number, date of collection, family and species identification can be seen in the tables relating positive results and the complete list of species that were used to obtain the extracts can be seen in supplementary material.

Assays

1. Plant collection

Plants were collected in the Amazon rain forest, specifically in Anavilhanas Ecologic Station, or in *igapó* or in *terra firme* forests, in Manaus. For GPS location of a species, please contact authors. Different parts of the plants were collected, depending on biomass availability. Vouchers of each species were obtained, and were deposited at UNIP Herbarium.

2. Extract preparation

Plant material was dried in air-circulating stove (Fanem) at 40^{o}C - temperature which is usually employed to dry plant crude material that does not interfere in the active compounds. Plant part was ground in a hammer-mill (Holmes), and it was subsequently placed in a glass percolator (Kontes), where a 24h-maceration proceeded with dichloromethane (DCM) and methanol (MeOH) 1:1(Merk) (Suffredini et al., 2007 breast), followed by a 24h-maceration with water, was made. Solvents from organic extracts were evaporated under vacuum (Buchi), while aqueous extracts were lyophilized. Both dried extracts were kept in freezer (Revco) until use. Three hundred units of each extract were weighed to a 4 mL vial, and were diluted with DCM/MeOH or water to 100 mg/mL.

3. Thin layer chromatography analysis

Thin layer chromatography silica gel GF_{254} plates (Merck) was used in the analysis. So, a 200x200 mm plate was cut up to 16 miniplates measuring 50x50 mm, and 12 different extract sample were applied to each miniplate. Two mobile phases were chosen to be used (Wagner and Bladt, 1996) and were named (x) if composed of ethyl acetate: formic acid: acetic acid: water (100:11:11:27) or (y) if composed of ethyl acetate: methanol: water (100:35:10). The following reagents were used: (A) beta-carotene and (B) 2,2-diphenyl-1-picrylhydrazyl (DPPH) were used in the evaluation of antioxidant and radical scavenger properties; (C) H_2SO_4 with mobile phase (x) followed by heat were used in the general analysis of compounds in the extracts; (D) H_2SO_4 with mobile phase (y) followed by heat were used in the general analysis of compounds in the extracts; (E) diphenylboryloxyethyldiamin (reagent NP) before the Revelation with H2SO4 was revealed with UV 254 nm and 365 nm, lights were used in the analysis of phenolic compounds; (F) Dragendorff's reagent was used to verify the presence of alkaloids; (G) KOH – Bornträeger's reagent - was used to verify the presence of anthraquinones and (H) Kedde's reagent was used to verify the presence of cardioactive glicosides. All chromatograms were photographed, and may be seen if required.

4. Presentation of the results

The presence (+) of antioxidant activity based on beta-caroten is given in table 1, while DPPH radical scavenge potential of each extract was qualified as (+, ++, +++ or ++++) according to its intensity, and can be seen in figures 1, 2 and 3 and in table 2. The presence of alkaloids is related in table 3, the presence of anthraquinones is reported in table 4 and the presence of cardioctive glycosides is reported in table 5.

Results and Discussion

The search for new medicines from natural products has developed fast in the last decades, due to the development of high-througput biological and chemical screening assays that enabled the analysis of large amounts of samples bypassing the time-consuming traditional techniques (Younes et al., 2007). The primordial use of a biological assay to identify the best plant extracts to be further submitted to chemical studies is the traditional approach, and maybe the more economical way of screen plant extracts in developing countries. Nonetheless, it is imperative that the chemical profiles of each extract can be achieved in order to have it compared to biological results (Cragg et al., 2013; Cragg and Newman, 2014), usually by the introduction of bioinformatics, supported by a chemosystematic approach. The structure of biological and chemical high-throughput screening (HTS) techniques is being widely adopted in the search of new lead compounds, particularly those originated from nature (Klausmeyer et al., 2012). HTS is usually based on the use of high-tech equipments (Eldridge et al., 2002; Tian et al., 2007), which this is not an every-day condition for all laboratories. For that reason, the employment of simple techniques as thin layer chromatography (TLC), which is prone to be accessible by any laboratory, can prove to be of use in the analysis of a wide amount of phytochemical information generated from extract libraries. Limitations of using TLC as chemical screening techniques are the possibility of obtaining false negative and/or positive results, adaptation of specific reactions developed to medicinal plants to a more generalized analysis of wild plants, sensibility of the method and environmental conditions required to develop TLC analysis, but once the analyses are supported by chemosystematics, results can be considered more reliable and likely to support biological assays.

Therefore, we ended up with 77 (8.56%) plant extracts that showed antioxidant activity in the beta-carotene/bleaching assay (table 1). Beta-carotene/bleatching assay tends to identify compounds that can chain-break free radical reactions, particularly initiated by light exposition and that consequently protect beta-caroten from suffer radical reaction, such as compounds having phenolic rings and hydroxyl groups.

Table 1 – Plant extracts that were obtained from Amazon plants that were responsive to β-caroten assay (Ax), made in thin layer chromatography using stationary phase composed by silica gel GF254 and mobile phase composed by ethyl acetate: formic acid: acetic acid: water (100:11:11:26).

Colector	Colect #	Date of collection	Family	Species	Organs	Extract #
PSC	250	08-08-1997	Rubiaceae	*Psychotria* sp.	RA	N23
PSC	136	19-04-1997	Apocynaceae	*Microplumeria anomala*	CA	N127
PSC	360	16-08-1997	Apocynaceae	*Aspidosperma* cf. *nitidum*	FO e CA	N131
PSC	360	16-08-1997	Apocynaceae	*Aspidosperma* cf. *nitidum*	CA	N133
AAO	3263	17-04-1998	Apocynaceae	*Aspidosperma pachypterum*	CA	N137
AAO	3263	17-04-1998	Apocynaceae	*Aspidosperma pachypterum*	CA	N138
AAO	3263	17-04-1998	Apocynaceae	*Aspidosperma pachypterum*	CS	N139
AAO	3263	17-04-1998	Apocynaceae	*Aspidosperma pachypterum*	CS	N140
AAO	3263	17-04-1998	Apocynaceae	*Aspidosperma pachypterum*	RA	N141
AAO	3263	17-04-1998	Apocynaceae	*Aspidosperma pachypterum*	RA	N142
PSC	298	15-08-1997	Rubiaceae	*Palicourea corymbifera*	CA	N154
AAO	3284	19-04-1998	Melastomataceae	No ID	AO	N167
PSC	357	16-08-1997	Annonaceae	*Duguetia uniflora*	Lenho	N193
IBS	5	25-06-1998	Lauraceae	*Ocotea* cf. *cymbarum*	CA	N249
AAO	3283	19-04-1998	Rubiaceae	*Borreria* sp.	AO	N281
PSC	357	16-08-1997	Annonaceae	*Duguetia uniflora*	FO e CA	N305
AAO	3328	11-09-1998	Annonaceae	*Guatteria foliosa*	FO	N315
PSC	403	12-04-1997	Euphorbiaceae	*Pera distichophylla*	CA	N319
PSC	403	12-04-1997	Euphorbiaceae	*Pera distichophylla*	CA	N320
PSC	144	19-04-1997	Proteaceae	*Roupala* sp.	FO	N365
PSC	250	08-08-1997	Rubiaceae	*Psychotria* sp.	FO e CA	N375
PSC	125	19-04-1997	Hippocrateaceae	*Salacia impressifolia*	CA	N389
PSC	125	19-04-1997	Hippocrateaceae	*Salacia impressifolia*	CA	N390
PSC	118	18-04-1997	Combretaceae	*Buchenavia suavelons*	AO	N441
PSC	118	18-04-1997	Combretaceae	*Buchenavia suavelons*	AO	N442
PSC	378	16-08-1997	Combretaceae	*Buchenavia suaveolens*	AO	N443
PSC	378	16-08-1997	Combretaceae	*Buchenavia suaveolens*	AO	N444
PSC	131	19-04-1997	Simaroubaceae	*Simaba* cf. *paraenesis*	CA	N459
PSC	106	18-04-1997	Sapindaceae	*Toulicia cf. pulvinata*	CA	N469
PSC	135	19-04-1997	Leg-Faboideae	*Ormosia* sp.	AO	N471
PSC	135	19-04-1997	Leg-Faboideae	*Ormosia* sp.	AO	N472
PSC	102	18-04-1997	Hippocrateaceae	*Salacia* sp.	FO	N525

PSC	102	18-04-1997	Hippocrateaceae	*Salacia* sp.	FO	N526
PSC	126	19-04-1997	Sapotaceae	*Pouteria* sp.	FO	N557
PSC	126	19-04-1997	Sapotaceae	*Pouteria* sp.	FO	N558
AAO	3306	10-09-1998	Leg-Caesalpinioideae	*Cassia leiandra*	FO	N563
AAO	3306	10-09-1998	Leg-Caesalpinioideae	*Cassia leiandra*	FO	N564
AAO	3354	22-01-1999	Apocynaceae	*Mandevilla rugosa*	AO	N569
PSC	366	16-08-1997	Bignoniaceae	*Mansoa kerere*	FO e CA	N574
AAO	3333	12-09-1998	Lauraceae	*Endlicheria* cf. *macrophylla*	FO	N575
AAO	3333	12-09-1998	Lauraceae	*Endlicheria* cf. *macrophylla*	FO	N576
AAO	3298	10-09-1998	Rubiaceae	*Psychotria* sp.	FO e CA	N585
AAO	3298	10-09-1998	Rubiaceae	*Psychotria* sp.	AO	N593
AAO	3299	10-09-1998	Rutaceae	*Zanthoxylum* sp.	CA	N631
AAO	3350	21-01-1999	Myrsinaceae	No ID	FR	N660
PSC	89	03-03-1997	Chrysobalanaceae	*Licania* sp.	AO	N661
PSC	89	03-03-1997	Chrysobalanaceae	*Licania* sp.	AO	N662
AAO	3361	23-01-1999	Dilleniaceae	*Doliocarpu* sp.*s*	LI	N677
AAO	3362	23-01-1999	Ebenaceae	*Diospyros* sp.	FO	N681
AAO	3353	22-01-1999	Leg-Mimosoideae	*Abarema* cf. *jupunba*	CA	N689
AAO	3402	03-04-1999	Apocynaceae	*Macoubea sprucei*	CA	N697
AAO	3402	03-04-1999	Apocynaceae	*Macoubea sprucei*	CA	N698
AAO	3348	21-01-1999	Chrysobalanaceae	*Licania lata*	CA	N699
AAO	3348	21-01-1999	Chrysobalanaceae	*Licania lata*	CA	N700
AAO	3350	21-01-1999	Myrsinaceae	No ID	CA	N701
AAO	3350	21-01-1999	Myrsinaceae	No ID	CA	N702
PSC	405	12-04-1997	Malpighiaceae	*Burdachia* sp.	AO	N703
PSC	405	12-04-1997	Malpighiaceae	*Burdachia* sp.	AO	N704
AAO	3385	02-04-1999	Apocynaceae	*Mesechites trifida*	AO	N706
AAO	3400	03-04-1999	Apocynaceae	*Forsteronia acouci*	FO e CA	N707
AAO	3400	03-04-1999	Apocynaceae	*Forsteronia acouci*	FO e CA	N708
AAO	3390	02-04-1999	Olacaceae	*Heisteria* sp.	AO	N714
AAO	3396	03-04-1999	Apocynaceae	*Himatanthus attenuatus*	CA	N729
AAO	3396	03-04-1999	Apocynaceae	*Himatanthus attenuatus*	FO	N771
AAO	3396	03-04-1999	Apocynaceae	*Himatanthus attenuatus*	FO	N772
AAO	3466	27-08-1999	Solanaceae	*Brunfelsia* cf.*pauciflora*	PL	N795
AAO	3488	01-10-1999	Rubiaceae	*Pagamea coriacea*	FO	N857
AAO	3488	01-10-1999	Rubiaceae	*Pagamea coriacea*	FO	N858
AAO	3501	23-10-1999	Leg-Faboideae	*Taralea* sp.	LI	N861

AAO	3488	01-10-1999	Rubiaceae	*Pagamea coriacea*	CA	N881
AAO	3455	26-08-1999	Asteraceae	*Piptocarpha cinerea*	AO	N891
AAO	3497	22-10-1999	Chrysobalanaceae	*Hirtella rodriguesii*	CA	N905
AAO	3512	26-11-1999	Rhizophoraceae	No ID	AO	N907
AAO	3512	26-11-1999	Rhizophoraceae	No ID	AO	N908
AAO	3513	27-11-1999	Chrysobalanaceae	*Licania lata*	AO	N911
AAO	3500	22-10-1999	Rubiaceae	*Warszewiczia coccinea*	CA	N917
AAO	3494	22-10-1999	Rubiaceae	*Psychotria* sp.	RA	N921

Legend: RA= roots; CA=stem; FO=leaves; OA=aerial organs; FR=fruits; PL=entire plant; LI=liana

Twenty eight plant extracts showed activity in the beta-caroten assay, while forty nine plant extracts showed activity in beta-caroten and DPPH assays. The next results show that 570 out of 900 plant extracts showed radical scavenge (RS) activity in DPPH assay (table 2), and amazingly, it represents 63.3% of the tested extracts. The other extracts were not reactive to DPPH, and their antioxidant activity may be reached by some other technique (not explored so far). Although not possible to be quantified by the adopted TLC method, the level of antioxidant activity of the extracts was scored, so, 143 out of 698 (20,49%) plant extracts showed exellent (++++) RS activity, while 254 (36.39%) showed a very good (+++) RS activity, 187 (26.79%) showed a good (++) RS activity and 114 (16.33%) showed a weaker (+) RS activity (figure 1). Among the excellent RS extracts scored with (++++), 49,65% of them are organic extracts and 50.35% are aqueous extracts. Among the very good RS extracts, scored with (+++), 63.78% are organic extracts and 36.22% are aqueous extracts. Among the good radical scavenger extracts, scored with (++), 39,57% are organic extracts, while 60,43% are aqueous extracts. Finally, among the weaker RS extracts, scored with (+), 33.33% are organic extracts, and 66.67% are aqueous extracts. Figure 2 represents how organic and aqueous extracts antioxidant intensity was expressed, in percentage. It was possible to observe that the 698 plant extracts was rightly splitted into two groups of 345 organic extracts (49.42%) and 353 aqueous extracts (50.57%) each. It is also possible to observe that the group of extracts here tested as active did have important RS activity, for their responsiveness was mostly scored as (++++) or (+++) (figure 2).

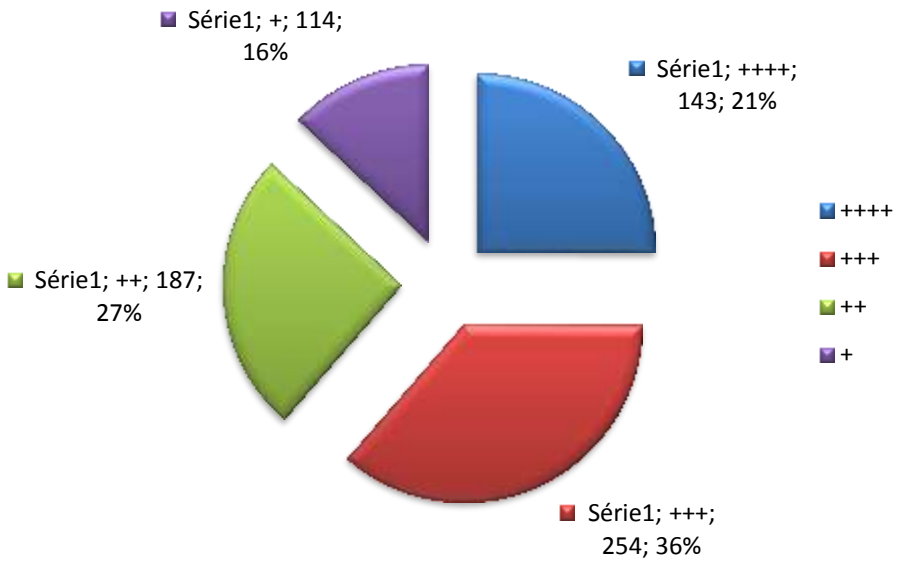

Figure 1 – Representation of the intensity of antioxidant activity observed in the 698 (77.56%) out of 900 plant extracts that were currently tested in the DPPH/TLC analysis.

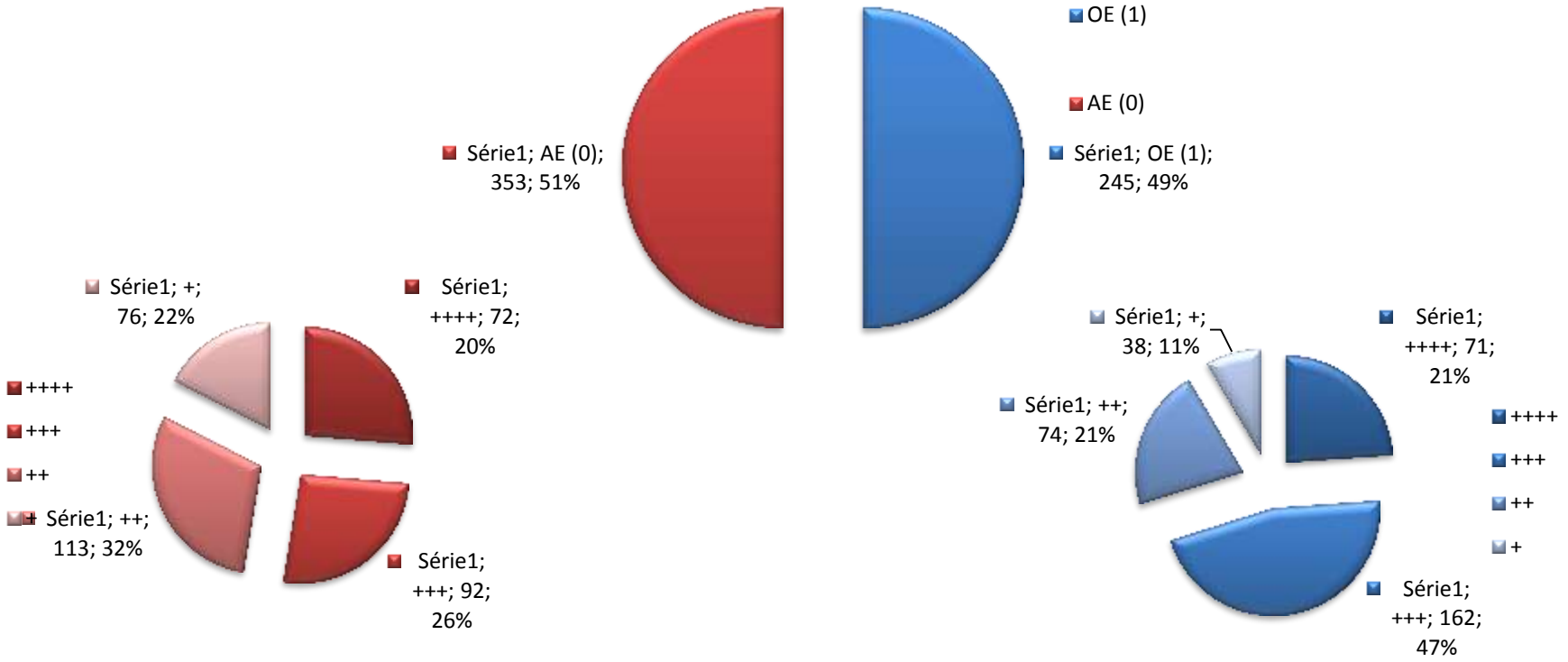

Figure 2 – Representation of the intensity of antioxidant activity observed to the organic (OE) and aqueous (AE) plant extracts that showed antioxidant activity in the f DPPH/TLC analysis.

Sixty two plant families and 258 species of plants showed RS activity based on the DPPH/TLC assay, as can be seen in table 2. It is possible to observe in table 2 that different groups of extracts, grouped by family, respond specifically to DPPH RS activity, for example, Annonaceae family. From the 16 extracts that were active among Annonaceae, 50% responded with a score of (+++). On the other hand, Polygalaceae responded weakly (scores ++ and +). The group of extracts obtained from Leguminosae Caesalpinioidae responded with score (+++), while Leguminosae Faboidae responded (++) and Leguminosae Mimonsoidae responded (++++). The same kind of analysis can be proposed to the other groups, and that kind of information becomes more significant whenever the extract library grows in terms of number of extracts.

Table 2 – Percentage of antioxidant active extracts obtained from 698 Brazilian plant extracts from 258 species belonging to 62 families, distributed according to the antioxidant intensity observed in the DPPH/TLC assay.

		antioxidant intensity (%)			
Family	**# of extracts**	++++	+++	++	+
Annonaceae	16	18.8	50.0	31.3	0.0
Apocynaceae	42	19.0	35.7	31.0	14.3
Aquifoliaceae	4	25.0	25.0	50.0	0.0
Araceae	6	0.0	50.0	33.3	16.7
Asteraceae	18	11.1	55.6	16.7	16.7
Bignoniaceae	14	21.4	42.9	28.6	7.1
Boraginaceae	4	100.0	0.0	0.0	0.0
Burseraceae	3	33.3	33.3	0.0	33.3
Capparidaceae	6	0.0	0.0	66.7	33.3
Chrysobalanaceae	12	16.7	41.7	41.7	0.0
Clusiaceae	35	28.6	34.3	25.7	11.4
Combretaceae	2	0.0	50.0	50.0	0.0
Connaraceae	10	60.0	30.0	10.0	0.0
Convolvulaceae	1	0.0	0.0	100.0	0.0
Dilleniaceae	6	0.0	66.7	16.7	16.7
Ebenaceae	8	0.0	25.0	25.0	50.0
Euphorbiaceae	27	51.9	29.6	3.7	14.8
Flacourtiaceae	19	15.8	42.1	31.6	10.5
Gentianaceae	6	0.0	0.0	0.0	100.0
Gesneriaceae	2	0.0	50.0	0.0	50.0
Hippocrateaceae	8	12.5	12.5	62.5	12.5
Humiriaceae	2	0.0	100.0	0.0	0.0
Lauraceae	11	18.2	45.5	18.2	18.2
Leg-Caesalpinioideae	45	33.3	40.0	26.7	0.0
Leg-Faboideae	32	25.0	18.8	37.5	18.8
Leg-Mimosoideae	16	37.5	25.0	31.3	6.3
Linaceae	4	0.0	75.0	25.0	0.0

Loranthaceae	2	0.0	100.0	0.0	0.0
Malpighiaceae	16	43.8	50.0	6.3	0.0
Melastomataceae	28	39.3	32.1	17.9	10.7
Meliaceae	4	25.0	75.0	0.0	0.0
Memecylaceae	4	0.0	50.0	50.0	0.0
Mirysticaceae	5	0.0	100.0	0.0	0.0
Monimiaceae	2	100.0	0.0	0.0	0.0
Moraceae	2	0.0	100.0	0.0	0.0
Myrsinaceae	6	16.7	83.3	0.0	0.0
Myrtaceae	13	23.1	61.5	15.4	0.0
Ochnaceae	2	50.0	50.0	0.0	0.0
Olacaceae	2	100.0	0.0	0.0	0.0
Passifloracee	2	0.0	0.0	0.0	100.0
Piperaceae	1	0.0	100.0	0.0	0.0
Polygalaceae	2	0.0	0.0	50.0	50.0
Polygonaceae	16	37.5	25.0	31.3	6.3
Proteaceae	2	0.0	50.0	50.0	0.0
Rhabdodendraceae	6	33.3	33.3	33.3	0.0
Rubiaceae	35	5.7	25.7	34.3	34.3
Rutaceae	4	0.0	25.0	25.0	50.0
Ryzophoraceae	4	0.0	50.0	50.0	0.0
Sapindaceae	14	28.6	14.3	35.7	21.4
Sapotaceae	4	25.0	75.0	0.0	0.0
Simaroubaceae	8	0.0	62.5	0.0	37.5
Smilacaceae	2	0.0	0.0	100.0	0.0
Solanaceae	2	0.0	0.0	100.0	0.0
Theaceae	2	50.0	50.0	0.0	0.0
Trigoniaceae	4	100.0	0.0	0.0	0.0
Verbenaceae	4	0.0	0.0	100.0	0.0
Violaceae	3	0.0	33.3	33.3	33.3
Vochysiaceae	8	50.0	37.5	12.5	0.0
unknown plant ID	2	100.0	0.0	0.0	0.0
Anacardiaceae	2	0.0	50.0	50.0	0.0
Styracaceae	4	0.0	0.0	100.0	0.0

The intensities of DPPH RS activity were described as “exellent (++++), very good (+++), good (++) and weak (+) intensity, represented in figure 3 by the numbers 4, 3, 2 and 1, respectively. Each pair of extracts (one organic and one aqueous) that was obtained from the same plant material received the corresponding number related to the DPPH RS intensity, and were classified as 4.4, 4.3, 4.2,…, 0.2 and 0.1, where the first number is related to the intensity of the organic extract and the second number is related to the organic extract. Zeros mean that the extract did not show DPPH RS activity.

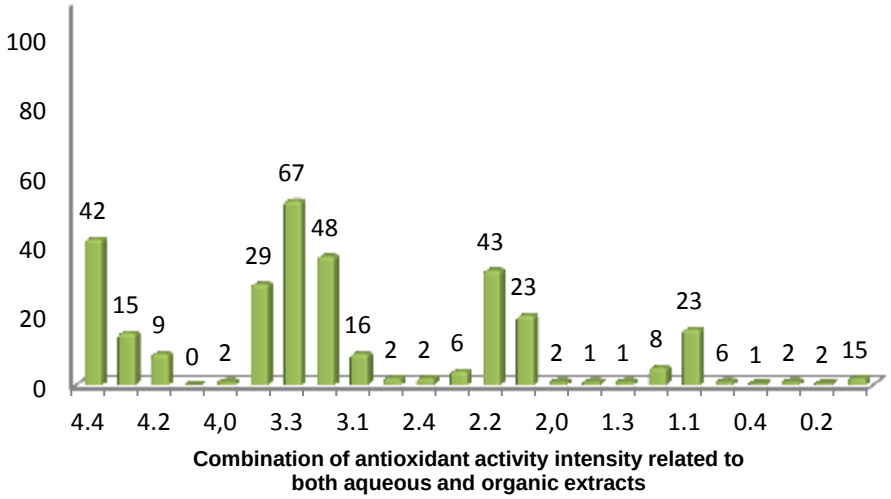

Figure 3 – Number of paris of extracts (one organic and one aqueous) obtained from the same plant material that were classified according to their DPPH radical scavenge intensity as 4.4, 4.3, 4.2,…, 0.2 and 0.1, where the first number is related to the intensity of the organic extract and the second number is related to the organic extract. Zeros mean that the extract did not show radical scavenge activity.

Figure 3 shows the distribution, in terms of percentage, of how the intensity of DPPH RS activity is expressed in both organic and aqueous extracts from the same plant material. It is possible to observe that 14.7% of pairs of extracts show organic and aqueous extracts expressing 4 (or++++) antioxidant activity to organic extract and 4 or (++++) for the aqueous extracts (expressed as 4.4 in fig.3); from this amount, 6 pairs of extracts were obtained from plants belonging to Euphorbiaceae and 9 pairs were obtained from plants belonging to Leguminosae. Also, 10.2% of pairs of extracts expressed DPPH RS activity of 3.4; from this amount 4 pairs of extraxcts were obtained from plants belonging to Clusiaceae. RS activity of 3.3 was observed to 23.5% of pairs of extracts and 5 pairs of extracts were obtained from plants belonging to Apocynaceae, 4 pairs of extracts were obtained from plants belonging to Asteraceae and 6 pairs of extracts were obtained from plants belonging to Leguminosa. It was observed that 16.8% of pairs of extracts expressed antioxidant activity of 3.2, and that 4 pairs of extracts were obtained from plants belonging to Flacourtiaceae and 7 pairs of extracts were obtained from plants belonging to Leguminosae. Lastly, 15.1% of pairs of extracts expressed antioxidant activity of 2.2; from this total, 4 pairs of extracts were obtained from plants belonging to

Apocynaceae, 7 pairs of extracts were obtained from plants belonging to Leguminosae and 4 pairs of extracts were obtained from plants belonging to Rubiaceae. In nine pairs of extracts, only the organic extract showed DPPH RS activity, and in nine pairs of extracts, only the aqueous extracts showed DPPH RS activity. Also, 202 out of 900 plant extracts did not show any RS activity in this assay, as it was proposed.

Seventy three plant extracts, or 8.1%, presented alkaloids (table 3). According to a chemosystematic approach, some groups of plants are more likely to biosynthesize alkaloids. So, in the present work alkaloids were found in the following families: Annonaceae, Apocynaceae, Bignoniaceae, Capparidaceae, Chrysobalanaceae, Clusiaceae, Convolvulaceae, Euphorbiaceae, Hippocrateaceae, Lauraceae, Leguminosae, Olacaceae, Piperaceae, Rubiaceae, Rutaceae, Sapindaceae, Solanaceae and one unknown species. Alkaloids are expected to occur in all the families listed in table 3 (Wink, 2003; Swain, 1963).

Table 3 – Plant extracts that were obtained from Amazon plants that were responsive to Dragendorff's reagent (Fy), made in thin layer chromatography using stationary phase composed by silica gel GF254 and mobile phase composed by ethyl acetate: formic acid: acetic acid: water (100:11:11:26).

Colector	Colect #	Date of collection	Family	Species	Organs	Extract #
PSC	398	10-08-1997	Euphorbiaceae	*Croton grandulosus*	CA	N87
PSC	136	19-04-1997	Apocynaceae	*Microplumeria anomala*	FO	N97
PSC	136	19-04-1997	Apocynaceae	*Microplumeria anomala*	FO	N98
PSC	136	19-04-1997	Apocynaceae	*Microplumeria anomala*	CA	N127
PSC	136	19-04-1997	Apocynaceae	*Microplumeria anomala*	CA	N128
PSC	360	16-08-1997	Apocynaceae	*Aspidosperma* cf. *nitidum*	CA	N133
AAO	3263	17-04-1998	Apocynaceae	*Aspidosperma pachypterum*	FO and CA	N136
AAO	3263	17-04-1998	Apocynaceae	*Aspidosperma pachypterum*	CA	N137
AAO	3263	17-04-1998	Apocynaceae	*Aspidosperma pachypterum*	CA	N138
AAO	3263	17-04-1998	Apocynaceae	*Aspidosperma pachypterum*	CS	N139
AAO	3263	17-04-1998	Apocynaceae	*Aspidosperma pachypterum*	CS	N140
AAO	3263	17-04-1998	Apocynaceae	*Aspidosperma pachypterum*	RA	N141
AAO	3263	17-04-1998	Apocynaceae	*Aspidosperma pachypterum*	RA	N142
PSC	357	16-08-1997	Annonaceae	*Duguetia uniflora*	CS	N145
IBS	10	25-06-1998	Apocynaceae	*Malouetia tamaquarina*	CA	N147
PSC	115	18-04-1997	Annonaceae	*Guatteria riparia*	CA	N151
PSC	298	15-08-1997	Rubiaceae	*Palicourea corymbifera*	CA	N153

PSC	298	15-08-1997	Rubiaceae	*Palicourea corymbifera*	CA	N154
AAO	3264	17-04-1998	Rubiaceae	*Remijia* sp.	AO	N163
PSC	357	16-08-1997	Annonaceae	*Duguetia uniflora*	ST	N193
AAO	3275	18-04-1998	Clusiaceae	*Haploclathra paniculata*	CA	N217
AAO	3275	18-04-1998	Clusiaceae	*Haploclathra paniculata*	CA	N218
IBS	5	25-06-1998	Lauraceae	*Ocotea* cf. *cymbarum*	CA	N249
IBS	2	25-06-1998	Capparidaceae	*Capparis sola*	CA	N259
PSC	415	12-04-1997	Leg-Faboideae	*Aeschynomene sensitiva*	CA	N267
PSC	357	16-08-1997	Annonaceae	*Duguetia uniflora*	FO and CA	N305
AAO	3328	11-09-1998	Annonaceae	*Guatteria foliosa*	FO	N315
PSC	188	30-05-1997	Leg-Faboideae	*Dalbergia inundata*	AO	N317
PSC	403	12-04-1997	Euphorbiaceae	*Pera distichophylla*	CA	N319
PSC	250	08-08-1997	Rubiaceae	*Psychotria* sp.	FO and CA	N375
PSC	196	28-05-1997	Euphorbiaceae	*Hevea microphylla*	CA	N377
PSC	143	19-04-1997	Leg-Faboideae	*Acosmium* sp.	CA	N395
PSC	143	19-04-1997	Leg-Faboideae	*Acosmium* sp.	CA	N396
PSC	116	18-04-1997	Leg-Faboideae	*Ormosia* sp.	CA	N400
PSC	114	18-04-1997	Leg-Faboideae	*Clathrotropis macrocarpa*	CA	N405
PSC	205	31-05-1997	Leg-Faboideae	*Ormosia* sp.	FO and FR	N433
PSC	205	31-05-1997	Leg-Faboideae	*Ormosia* sp.	FO and FR	N434
PSC	205	31-05-1997	Leg-Faboideae	*Ormosia* sp.	CA	N435
PSC	205	31-05-1997	Leg-Faboideae	*Ormosia* sp.	CA	N436
PSC	106	18-04-1997	Sapindaceae	*Toulicia* cf. *pulvinata*	CA	N469
PSC	135	19-04-1997	Leg-Faboideae	*Ormosia* sp.	AO	N471
PSC	135	19-04-1997	Leg-Faboideae	*Ormosia* sp.	AO	N472
PSC	114	18-04-1997	Leg-Faboideae	*Clathrotropis macrocarpa*	FO	N479
PSC	116	18-04-1997	Leg-Faboideae	*Ormosia* sp.	FO and FR	N501
PSC	116	18-04-1997	Leg-Faboideae	*Ormosia* sp.	FO and FR	N502
PSC	109	19-04-1997	No ID		FO and CA	N560

AAO	3298	10-09-1998	Rubiaceae	*Psychotria* sp.	FO and CA	N585
AAO	3298	10-09-1998	Rubiaceae	*Psychotria* sp.	FO e CA	N586
AAO	3298	10-09-1998	Rubiaceae	*Psychotria* sp.	AO	N594
PSC	402	12-04-1997	Bignoniaceae	*Distictella* sp.	FO and CA	N595
PSC	102	18-04-1997	Hippocrateaceae	*Salacia* sp.	CA	N600
AAO	3299	10-09-1998	Rutaceae	*Zanthoxylum* sp.	CA	N631
AAO	3347	21-01-1999	Leg-Faboideae	*Swartzia macrocarpa*	FO	N643
AAO	3347	21-01-1999	Leg-Faboideae	*Swartzia macrocarpa*	FO	N644
IBS	2	25-06-1998	Capparidaceae	*Capparis sola*	CA	N647
AAO	3328	11-09-1998	Annonaceae	*Guatteria foliosa*	CA	N655
AAO	3373	25-01-1999	Apocynaceae	*Macoubea sprucei*	FR	N657
AAO	3353	22-01-1999	Leg-Mimosoideae	*Abarema* cf. *jupunba*	CA	N689
AAO	3402	03-04-1999	Apocynaceae	*Macoubea sprucei*	CA	N697
AAO	3348	21-01-1999	Chrysobalanaceae	*Licania lata*	CA	N699
AAO	3390	02-04-1999	Olacaceae	*Heisteria* sp.	AO	N713
AAO	3384	02-04-1999	Convolvulaceae	*Maripa repens*	AO	N723
AAO	3393	02-04-1999	Apocynaceae	*Microplumeria anomala*	FO	N735
AAO	3393	02-04-1999	Apocynaceae	*Microplumeria anomala*	FO	N736
AAO	3422	29-07-1999	Clusiaceae	*Garcinia madruno*	FO	N751
AAO	3454	26-08-1999	Piperaceae	*Piper arboreum*	AO	N783
AAO	3466	27-08-1999	Solanaceae	*Brunfelsia* cf.*pauciflora*	PL	N795
AAO	3449	01-08-1999	Annonaceae	*Ephedranthus amazonicus*	FO	N817
AAO	3449	01-08-1999	Annonaceae	*Ephedranthus amazonicus*	FO	N818
AAO	3407	29-07-1999	Clusiaceae	*Clusia spathulaefolia*	CA	N823
AAO	3494	22-10-1999	Rubiaceae	*Psychotria* sp.	AO	N897
AAO	3497	22-10-1999	Chrysobalanaceae	*Hirtella rodriguesii*	CA	N905
AAO	3500	22-10-1999	Rubiaceae	*Warszewiczia coccínea*	CA	N917

Legend: RA= roots; CA=stem; FO=leaves; AO=aerial organs; FR=fruits; PL=entire plant; LI=liana

Eight (0.89%) plant extracts obtained from plants of the families Apocynaceae, Capparidaceae, Leguminosae, Rubiaceae and Rutaceae, showed the presence of anthraquinones (table 4).

Table 4 – Plant extracts that were obtained from Amazon plants that were responsive to Bornträeger reagent (Gx), made in thin layer chromatography using stationary phase composed by silica gel GF254 and mobile phase composed by ethyl acetate: formic acid: acetic acid: water (100:11:11:26).

Colector	Colect #	Date of collection	Family	Species	Organs	Extract #
PSC	188	30-05-1997	Leg-Faboideae	*Dalbergia inundata*	OA	N317
PSC	204	31-05-1997	Leg-Mimosoideae	*Pithecellobium* sp.	FO	N509
AAO	3298	10-09-1998	Rubiaceae	*Psychotria* sp.	FO e CA	N586
AAO	3299	10-09-1998	Rutaceae	*Zanthoxylum* sp.	CA	N631
IBS	2	25-06-1998	Capparidaceae	*Capparis sola*	CA	N648
AAO	3402	03-04-1999	Apocynaceae	*Macoubea spruce*	CA	N697
AAO	3429	30-07-1999	Leg-Faboideae	*Pterocarpus amazonicus*	OA	N749
AAO	3488	01-10-1999	Rubiaceae	*Pagamea coriacea*	FO	N857

Legend: RA= roots; CA=stem; FO=leaves; AO=aerial organs; FR=fruits; PL=entire plant; LI=liana

Lastly, 42 (4.67%) plant extracts obtained from plants of the families Anacardiaceae, Apocynaceae, Clusiaceae, Euphorbiaceae, Gentianaceae, Leg-Caesalpinioideae, Leg-Faboideae,Leg-Mimosoideae, Loranthaceae, Meliaceae, Myrtaceae, Polygonaceae, Rubiaceae, and Theaceae that showed positive reaction to Kedde's reactive, indicating the possible presence of cardenolides (table 5). Nonetheless, 38 extracts obtained from plants belonging to Annonaceae, Balanophoraceae, Connaraceae, Dilleniaceae, Ebenaceae, Flacourtiaceae, Hippocrateaceae, Lauraceae, Linaceae, Malpighiaceae, Myristicaceae, Myrsinaceae, Ochnaceae, Olacaceae, Proteaceae, Sapotaceae and Styracaceae were first classified as reactive to Kedde's reagent, but the occurrence of cardenolides was never reported to those families before and did not support the findings, indicating possible false positive reactions. Plant extracts were also evaluated for the presence of phenolic compounds and terpenes (results available upon request to corresponding author).

Table 5 – Plant extracts that were obtained from Amazon plants that were responsive to Kedde reagent (Hy), made in thin layer chromatography using stationary phase composed by silica gel GF254 and mobile phase composed by ethyl acetate: formic acid: acetic acid: water (100:11:11:26).

Colector	Colect #	Date of collection	Family	Species	Organs	Extract #	Kedde
PSC	81	18-01-1997	Euphorbiaceae	*Mabea nitida*	FR	N109	+
PSC	136	19-04-1997	Apocynaceae	*Microplumeria anomala*	CA	N128	+
PSC	360	16-08-1997	Apocynaceae	*Aspidosperma* cf. *nitidum*	CA	N133	+
PSC	360	16-08-1997	Apocynaceae	*Aspidosperma* cf. *nitidum*	CA	N171	+
PSC	123	18-04-1997	Leg-Caesalpinioideae	*Aldina* sp.	CA	N342	+
PSC	116	18-04-1997	Leg-Faboideae	*Ormosia* sp.	CA	N399	+
PSC	132	19-04-1997	Leg-Faboideae	*Clitoria fairchildiana*	CA	N401	+
PSC	129	19-04-1997	Loranthaceae	*Psittacanthus cucularis*	CA	N408	+
PSC	144	19-04-1997	Proteaceae	*Roupala* sp.	CA	N430	+
PSC	205	31-05-1997	Leg-Faboideae	*Ormosia* sp.	FO e FR	N433	+
PSC	396	10-08-1997	Leg-Caesalpinioideae	*Macrolobium multijugum*	CA	N439	+
PSC	396	10-08-1997	Leg-Caesalpinioideae	*Macrolobium multijugum*	CA	N440	+
PSC	98	10-07-1997	Clusiaceae	*Vismia guianensis*	FO e FR	N446	+
PSC	93	09-10-1997	Rubiaceae	*Amaioua* sp.	CA	N475	+

PSC	114	18-04-1997	Leg-Faboideae	*Clathrotropis macrocarpa*	FO	N479	+
PSC	114	18-04-1997	Leg-Faboideae	*Clathrotropis macrocarpa*	FO	N480	+
PSC	107	18-04-1997	Anacardiaceae	*Tapirira guianensis*	CA	N489	+
PSC	99	18-04-1997	Myrtaceae	*Eugenia* sp.	FO	N497	+
PSC	116	18-04-1997	Leg-Faboideae	*Ormosia* sp.	FO e FR	N501	+
PSC	116	18-04-1997	Leg-Faboideae	*Ormosia* sp.	FO e FR	N502	+
PSC	210	31-05-1997	Loranthaceae	*Psittacanthus* sp.	OA	N503	+
PSC	210	31-05-1997	Loranthaceae	*Psittacanthus* sp.	OA	N504	+
PSC	204	31-05-1997	Leg-Mimosoideae	*Pithecellobium* sp.	FO	N509	+
AAO	3308	10-09-1998	Rubiaceae	*Duroia* sp.	FO	N523	+
AAO	3308	10-09-1998	Rubiaceae	*Duroia* sp.	FO	N524	+
PSC	97	18-04-1997	Leg-Mimosoidae	*Zygium tuneiflora*	CA e FO	N527	+
PSC	208	31-05-1997	Malpighiaceae	*Burdachia* SP.	CA	N531	+
PSC	82	19-01-1997	Leg-Faboideae	*Dioclea violaceae*	FO e CA	N533	+
PSC	92	18-11-1997	Meliaceae	*Trichilia* cf. *pleeana*	OA	N535	+
PSC	92	18-11-1997	Meliaceae	*Trichilia* cf. *pleeana*	OA	N536	+
PSC	267	08-08-1997	Leg-Mimosoideae	*Pithecellobium* sp.	OA	N537	+
AAO	3294	09-09-1998	Polygonaceae	*Triplaris surinamensis*	CA	N591	+
AAO	3373	25-01-1999	Apocynaceae	*Macoubea spruce*	FR	N657	+
AAO	3356	22-01-1999	Leg-Caesalpinioideae	*Hymenaea* SP.	FO	N665	+
AAO	3357	22-01-1999	Clusiaceae	*Clusia* sp.	PO	N667	+
AAO	3406	03-04-1999	Apocynaceae	*Macoubea spruce*	FO	N676	+
AAO	3340	21-01-1999	Gentianaceae	*Irlbachia pumila*	PL	N679	+
AAO	3340	21-01-1999	Gentianaceae	*Irlbachia pumila*	PL	N680	+
AAO	3484	01-10-1999	Theaceae		PO	N843	+
AAO	3484	01-10-1999	Theaceae		PO	N844	+
AAO	3510	25-11-1999	Apocynaceae	*Ambelania acida*	FO	N910	+
AAO	3514	27-11-1999	Leg-Faboideae	*Dalbergia riedelii*	OA	N915	+

Legend: RA= roots; CA=stem; FO=leaves; AO=aerial organs; FR=fruits; PL=entire plant; LI=liana

Conclusions

The identification of chemical classes in the extracts kept in the Unip Extract Library was made for 900 plant extracts, as the antioxidant activity of the extracts is also reported.

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Authors' contributions

LCM (MS student) contributed in running the laboratory work, analysis of the data and drafted the paper. ECCM (MS student) contributed in running the laboratory work, analysis of the data and drafted the paper. MLBP contributed in plant collection and identification. SAF contributed to plant collection and herbarium confection. IECD contributed to chromatographic analysis. IBS designed the study, supervised the laboratory work, drafted the paper. All authors contributed to critical reading of the manuscript. All the authors have read the final manuscript and approved the submission.

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3 CONSIDERAÇÕES FINAIS

Os 900 extratos da Extratoteca UNIP foram testados quanto à capacidade antioxidante, resultando em um número considerável de resultados positivos para o reativo do beta-caroteno (8,56%) e DPPH (77,56%). Os mesmos extratos foram avaliados quanto à presença de alcaloides (8,1%), glicosídeos antraquinônicos (0,89%) e glicosídeos cardioativos (4,67%). Foram ainda testados para verificação da presença de flavonoides e terpenos. O presente estudo demonstrou que uma elevada porcentagem dos extratos vegetais testados pode ser usada como fonte de agentes antioxidantes a serem usados em cosméticos, provavelmente pela presença de compostos fenólicos. Porém, estudos mais aprofundados ainda são imprescindíveis para seu grau de segurança ser determinado, e a identificação dos princípios ativos, sua quantificação e estudos farmacotécnicos pertinentes.

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ANEXO 2

Material e métodos em português

MATERIAIS E MÉTODOS

Coletas de plantas

As plantas foram coletadas na floresta Amazônica e na Mata Atlântica em áreas sob jurisdição do Instituto Brasileiro do Meio Ambiente e dos Recursos Renováveis (IBAMA) sob licença obtida nesse órgão, número 12A/2008. Uma amostra do material coletado para a pesquisa botânica denominado de exsicata é depositada no Herbário UNIP para a identificação botânica ser feita. Diferentes órgãos de cada espécie selecionada são coletados, segundo a disponibilidade em massa, e acondicionados em sacos de algodão. O material é limpo, de modo que sejam retirados contaminantes como insetos ou outros animais, outros órgãos da mesma planta, outras plantas, areia e terra. O material limpo é seco em estufa de circulação de ar (Fanem) a 40ºC, e depois é moído em moinho de martelo (Holmes). O material moído é acondicionado em sacos plásticos, selado, identificado e mantido em câmara fria até ser usado para se fazer os extratos (YOUNES *et al*, 2000).

Obtenção dos extratos

Os extratos foram obtidos por maceração. O material moído foi colocado em percoladores de vidro (Kontes); a mistura de solventes composta por diclorometano e metanol (Synth ou Merck), na proporção de 1:1, foi colocada de modo a se cobrir o pó de planta. O conjunto pó-mistura de solventes foi mantido em contato por 24h. O solvente foi removido por evaporação rotativa (Buchi) e o extrato seco, armazenado em câmara fria a –20ºC. O pó é seco na capela até completa evaporação do solvente, e depois se inicia a maceração em H_2O; água Milli-Q foi acrescentada ao pó da planta e nova maceração foi feita por mais 24h. O extrato aquoso foi congelado em congelador (Revco) e liofilizado em liofilizador de bandeja (Virtis). O armazenamento do extrato seco foi feito em câmara fria, a –20ºC. São obtidos, portanto, dois extratos com o mesmo material vegetal: um extrato orgânico e um extrato aquoso (YOUNES *et al.,* 2000).

Para este estudo, foram testados 2 mil extratos vegetais, obtidos de mais de 700 plantas brasileiras.

Preparaçãos das amostras de extratos e substâncias padrão

Com o auxílio de balança analítica (Ohaus ou Mettler), frascos criogênicos (Eppendorf) estéreis de 2mL foram pesados e etiquetados; e na etiqueta foram anotados a massa do frasco, o número do extrato e a concentração do extrato a ser pesado. Cada extrato foi preparado à concentração de 300mg/mL.

Para a diluição dos extratos orgânicos, foram adicionados em cada frasco 500µL de metanol e 500µL de diclorometano (Merck ou Synth). Os extratos aquosos foram diluídos em 1000µL de água destilada, grau Milli-Q (Millipore®). Após a adição do respectivo solvente, cada frasco foi agitado em vórtex (Quimis) para homogeneização da amostra, que deverá ser armazenada em refrigeração a -20^{o}C.

Identificações de compostos antioxidantes

De acordo com Wagner (1986), foram utilizados os reagentes β- Caroteno, DPPH, H_2SO_4 20% (f.m x), H_2SO_4 20% (f.m y), NP, Dragendorff, Borntraeger, Kedde.

Na placa, depois de sua eluição, foram colocados com o auxílio de uma pipeta os seguintes reagentes.

H2SO$_4$ 20%

Foram utilizadas as seguintes concentrações: (a) (5%) 10% H_2SO_4, (b) 50% H_2SO_4, (c) H_2SO_4 concentrado, (a,b) Foram aquecidas as placas até 100ºC por 3-5min, e avaliadas em seguida (imediatamente), (c) zonas de coloração (vis.) aparecem imediatamente.

Reagente de Dragendorff

A solução foi dissolvida em 0,85g de nitrato básico de bismuto em 10mL de ácido acético glacial e 40mL de água (destilada ou mil-Q, (b) dissolver 8g potassium iodide em água. Solução estoque: (a) + (b) misturadas 1:1.

Reagente de pulverização (spray reagente): 1mL da solução estoque misturada com 2mL de ácido acético glacial e 10mL de água .

Reagente de Kedde

Foram feitos 5ml da solução preparada na hora, solução etanólica a 3% de ácido dinitrobenzoico ou solução de ácido dinitrobenzoico a 3% de etanol misturado com 5mL 2*M* NaOH. A placa foi pulverizada com 5-8 ml e avaliada em seguida.

Reagente de Bornträeger (hidróxido de potássio)

Foram utilizados 5% ou 10% ethanolic potassium hydroxide (hidróxido de potássio etanólico). A placa foi pulverizada com 10ml e avaliada em seguida a olho nu (imediatamente) ou em luz UV 365nm, com ou sem aquecimento.

Reagente para fenólicos (NP)

A placa foi pulverizada com 1% methanolic diphenylboric acid-β-ethylamino ester (= diphenylboryloxyethylamine, NP), seguido de 5% ethanolic polyethylene glycol-4000 (PEG) (10 ml e 8 ml, respectivamente).

Essa técnica detecta flavonoide e aloína. Intensa fluorescência é produzida sob luz UV-365nm. PEG aumenta a sensibilidade (de 10µg para 2,5µg). A fluorescência é estrutura dependente.

Placas

Placas próprias para cromatografia em camada delgada foram utilizadas com as seguintes especificações: sílica gel 60 F_{254} com superfície de área de 500 cm^3/g, poros com volume de 0,75cm^3/g e diâmetro de 60Å; as placas tinham revestimento em alumínio. Foram cortadas em quadrados de 5cmX5cm e divididas em 12 pontos para as amostras (0,4mm de distância entre uma e outra) e margens inferiores e superiores de 5mm cada. A distância de migração do solvente foi de 4cm.

CROMATOGRAFIA EM CAMADA DELGADA

Foram utilizadas cromatoplacas para triagem inicial de sílica gel GF254 Merck 5x5cm, 8 placas (5cmX5cm) foram feitas para serem testadas 12 amostras x 8 reveladores distintos: β- caroteno, DPPH,NP, Kedde, Dragendorff, Borntraeger (KOH), H_2SO_4 20% (2 x), mais luz UV: λ {254nm e 366nm}.

Serão utilizadas duas fases móveis:

- X- Acetato de etila: ác. Fórmico: ác. Acético gl: água (100:11:11:26).
- Y- Acetato de etila: metanol: água (100:35:10).

As cromatoplacas foram identificadas com letras, e as amostras de extratos com números de 1 a 12, por ensaio. Cada letra representou o revelador usado, cada número de 1 a 12 correspondeu a um número de extrato, que mudará a cada ensaio. Esses números foram anotados como legendas de cada experimento.

Cromatoplaca	Revelador
Ax	β –caroteno
Bx	DPPH
Cx	H2SO4 20% (f.m x)
Dy	H2SO4 20% (f.m y)
Ex	NP
Fy	Dragendorff
Gx	Borntraeger (KOH)
Hy	Kedde

As revelações com λ= 254nm e 366nm foram feitas antes de revelar com H_2SO_4 nas placas reveladas com H_2SO_4. A placa NP foi fotografada juntamente com as outras amostras de H_2SO_4 sem o revelador, com luz UV.

As placas NP foram marcadas, e depois de marcadas colocadas no caderno junto com as placas dos demais reveladores, incluindo, então, as placas de H_2SO_4 já reveladas.

ANEXO 3

Tabela 1 – Extratos vegetais obtidos de plantas amazônicas reativos ao 2,2-difenil-1-picrylhidrasil (DPPH; Bx), testados em cromatografia de camada delgada com fase estacionária compostos de sílica gel GF254 e fase móvel composta de acetato de etila: ácido fórmico: ácido acético: água (100:11:11:26)

Colector	Colect #	Date of collection	Family	Species	Organs	Extract#	DPPH
PSC	250	8/8/1997	Rubiaceae	*Psychotria*	RA	N23	++
PSC	123	18/4/1997	Leg-Caesalpinioideae	*Aldina*	FO	N25	++++
PSC	123	18/4/1997	Leg-Caesalpinioideae	*Aldina*	FO	N26	+++
PSC	125	19/4/1997	Hippocrateaceae	*Salacia impressifolia*	FO	N27	++
PSC	125	19/4/1997	Hippocrateaceae	*Salacia impressifolia*	FO	N28	+
PSC	187	31/5/1997	Clusiaceae	*Calophyllum brasiliense*	CA	N29	++++
PSC	187	31/5/1997	Clusiaceae	*Calophyllum brasiliense*	CA	N30	++++
PSC	272	8/8/1997	Chrysobalanaceae	*Licania*	OA	N31	+++
PSC	272	8/8/1997	Chrysobalanaceae	*Licania*	OA	N32	++
PSC	97	20/10/1997	Leg-Mimosoideae	*Zygia trunciflora*	FR	N33	++
PSC	97	20/10/1997	Leg-Mimosoideae	*Zygia trunciflora*	FR	N34	++
PSC	380	16/8/1997	Leg-Faboideae	*Dalbergia*	OA	N59	++++
PSC	380	16/8/1997	Leg-Faboideae	*Dalbergia*	OA	N60	++++
PSC	390	10/8/1997	Melastomataceae	*Tococa*	OA	N61	++++
PSC	390	10/8/1997	Melastomataceae	*Tococa*	OA	N62	++++
PSC	98	10/7/1997	Clusiaceae	*Vismia guianensis*	FR e CA	N63	++++
PSC	98	10/7/1997	Clusiaceae	*Vismia guianensis*	FR e CA	N64	++
PSC	143	19/4/1997	Leg-Faboideae	*Acosmium*	FO	N65	++++
PSC	143	19/4/1997	Leg-Faboideae	*Acosmium*	FO	N66	++++
PSC	94	18/4/1997	Apocynaceae	*Odontadenia macranta*	FO e CA	N67	++++
PSC	94	18/4/1997	Apocynaceae	*Odontadenia macranta*	FO e CA	N68	++++
PSC	103	18/4/1997	Trigoniaceae	*Trigonia cf. sericea*	CA	N69	++++
PSC	252	8/8/1997	Boraginaceae	*Cordia*	OA	N70	++++

PSC	252	8/8/1997	Boraginaceae	*Cordia*	OA	N71	++++
PSC	252	8/8/1997	Boraginaceae	*Cordia*	OA	N72	++++
PSC	134	19/4/1997	Clusiaceae	*Tovomita*	FO e FR	N73	+++
PSC	134	19/4/1997	Clusiaceae	*Tovomita*	FO e FR	N74	+++
PSC	306	15/8/1997	Rhabdodendraceae	*Rhabdodendron amazonicum*	FO	N75	++++
PSC	306	15/8/1997	Rhabdodendraceae	*Rhabdodendron amazonicum*	FO	N76	+++
PSC	386	16/8/1997	Malpighiaceae	*Byrsonima*	CA	N77	++++
PSC	386	16/8/1997	Malpighiaceae	*Byrsonima*	CA	N78	++++
PSC	386	16/8/1997	Malpighiaceae	*Byrsonima*	OA	N79	++++
PSC	386	16/8/1997	Malpighiaceae	*Byrsonima*	OA	N80	++++
PSC	416	12/4/1997	Apocynaceae	*Tabernaemontana angulata*	CA	N81	++++
PSC	416	12/4/1997	Apocynaceae	*Tabernaemontana angulata*	CA	N82	++
PSC	408	12/4/1997	Olacaceae	*Chaunochiton loranthoides*	CA	N83	++++
PSC	408	12/4/1997	Olacaceae	*Chaunochiton loranthoides*	CA	N84	++++
PSC	407	12/4/1997	Euphorbiaceae	*Phyllanthus attenuatus*	FO e FR	N85	++++
PSC	398	10/8/1997	Euphorbiaceae	*Croton grandulosus*	CA	N86	++++
PSC	398	10/8/1997	Euphorbiaceae	*Croton grandulosus*	CA	N87	++++
PSC	81	18/1/1997	Euphorbiaceae	*Mabea nítida*	FO e CA	N88	+++
PSC	81	18/1/1997	Euphorbiaceae	*Mabea nítida*	FO e CA	N89	++++
PSC	81	18/1/1997	Euphorbiaceae	*Mabea nítida*	FO e CA	N90	++++
PSC	88	3/2/1997	Euphorbiaceae	*Piranhea trifoliata*	FO	N91	++++
PSC	88	3/2/1997	Euphorbiaceae	*Piranhea trifoliata*	FO	N92	++++
PSC	393	10/8/1997	Euphorbiaceae	*Aparisthmium cordatum*	OA	N93	++++
PSC	393	10/8/1997	Euphorbiaceae	*Aparisthmium cordatum*	OA	N94	++++
PSC	88	3/2/1997	Euphorbiaceae	*Piranhea trifoliata*	FR	N96	++++
PSC	136	19/4/1997	Apocynaceae	*Microplumeria anômala*	FO	N97	+++

PSC	187	31/5/1997	Clusiaceae	*Calophyllum brasiliense*	FR	N98	+++
PSC	187	31/5/1997	Clusiaceae	*Calophyllum brasiliense*	FR	N99	++++
PSC	187	31/5/1997	Clusiaceae	*Calophyllum brasiliense*	FR	N100	++++
PSC	150	19/4/1997	Apocynaceae	*Himatanthus attenuatus*	CA	N101	++++
PSC	150	19/4/1997	Apocynaceae	*Himatanthus attenuatus*	CA	N102	++
PSC	145	19/4/1997	Ochnaceae	*Blastomanthus*	FO e FR	N103	+++
PSC	145	19/4/1997	Ochnaceae	*Blastomanthus*	FO e FR	N104	++++
PSC	145	19/4/1997	Ochnaceae	*Blastomanthus*	FO e FR	N105	+++
PSC	145	19/4/1997	Ochnaceae	*Blastomanthus*	FO e FR	N106	++++
PSC	106	18/4/1997	Sapindaceae	*Toulicia cf. pulvinata*	FO e FR	N107	+++
PSC	106	18/4/1997	Sapindaceae	*Toulicia cf. pulvinata*	FO e FR	N108	++++
PSC	81	18/1/1997	Euphorbiaceae	*Mabea nítida*	FR	N109	++++
PSC	81	18/1/1997	Euphorbiaceae	*Mabea nítida*	FR	N110	++++
PSC	149	19/4/1997	Malpighiaceae	*Byrsonima cf. sericea*	CA	N111	+++
PSC	149	19/4/1997	Malpighiaceae	*Byrsonima cf. sericea*	CA	N112	++++
PSC	112	18/4/1997	Bignoniaceae	*Tabebuia barbata*	FO	N113	+++
PSC	112	18/4/1997	Bignoniaceae	*Tabebuia barbata*	FO	N114	++++
PSC	208	31/5/1997	Malpighiaceae	*Burdachia*	FO	N115	+++
PSC	208	31/5/1997	Malpighiaceae	*Burdachia*	FO	N116	++++
PSC	271	8/8/1997	Connaraceae	*Connarus cf. perrottetii*	FO e CA	N117	+++
PSC	271	8/8/1997	Connaraceae	*Connarus cf. perrottetii*	FO e CA	N118	++++
PSC	150	19/4/1997	Apocynaceae	*Himatanthus attenuatus*	FO	N119	+++
PSC	150	19/4/1997	Apocynaceae	*Himatanthus attenuatus*	FO	N120	+++
PSC	94	18/4/1997	Apocynaceae	*Odontadenia macranta*	CA	N121	++++
PSC	94	18/4/1997	Apocynaceae	*Odontadenia macranta*	CA	N122	+++
PSC	199	31/5/1997	Euphorbiaceae	*Amanoa cf.gracillima*	FR sem SE	N123	++++

PSC	199	31/5/1997	Euphorbiaceae	*Amanoa cf.gracillima*	FR sem SE	N124	++++
IBS	4	25/6/1998	Apocynaceae	*Tabernaemontana rupicula*	OA	N125	+++
IBS	4	25/6/1998	Apocynaceae	*Tabernaemontana rupicula*	OA	N126	+++
PSC	136	19/4/1997	Apocynaceae	*Microplumeria anômala*	CA	N127	+++
PSC	136	19/4/1997	Apocynaceae	*Microplumeria anômala*	CA	N128	+++
IBS	10	25/6/1998	Apocynaceae	*Malouetia tamaquarina*	OA	N129	+++
IBS	10	25/6/1998	Apocynaceae	*Malouetia tamaquarina*	OA	N130	++++
AAO	3284	19/4/1998	Melastomataceae		OA	N167	+++
AAO	3284	19/4/1998	Melastomataceae		OA	N168	++++
PSC	90	30/9/1997	Leg-Caesalpinioideae	*Crudia amazônica*	CA	N169	++++
PSC	90	30/9/1997	Leg-Caesalpinioideae	*Crudia amazônica*	CA	N170	++
IBS	6	25/6/1998	Leg-Caesalpinioideae	*Macrolobium multijugum*	FO	N171	+++
IBS	6	25/6/1998	Leg-Caesalpinioideae	*Macrolobium multijugum*	FO	N172	++++
AAO	3276	18/4/1998	Melastomataceae	*Miconia*	CA	N173	++++
AAO	3276	18/4/1998	Melastomataceae	*Miconia*	CA	N174	++
PSC	307	15/8/1997	Meliaceae	*Trichilia*	OA	N175	+++
PSC	307	15/8/1997	Meliaceae	*Trichilia*	OA	N176	+++
PSC	92	18/11/1997	Meliaceae	*Trichilia cf. pleeana*	OA	N177	+++
PSC	92	18/11/1997	Meliaceae	*Trichilia cf. pleeana*	OA	N178	++++
IBS	13	25/6/1998	Myrtaceae	*Eugenia cachoeirensis*	FO	N179	+++
IBS	13	25/6/1998	Myrtaceae	*Eugenia cachoeirensis*	FO	N180	++++
AAO	3293	20/4/1998	Myrtaceae	*Myrcia fallax*	CA	N181	++++
AAO	3293	20/4/1998	Myrtaceae	*Myrcia fallax*	CA	N182	+++
AAO	3288	20/4/1998	Myrtaceae	*Myrcia*	FO e CA	N183	+++
AAO	3288	20/4/1998	Myrtaceae	*Myrcia*	FO e CA	N184	+++
AAO	3293	20/4/1998	Myrtaceae	*Myrcia fallax*	OA	N185	+++

AAO	3293	20/4/1998	Myrtaceae	*Myrcia fallax*	OA	N186	++++
IBS	20	27/6/1998	Melastomataceae		CA	N187	++++
IBS	20	27/6/1998	Melastomataceae		CA	N188	++++
AAO	3290	20/4/1998	Melastomataceae	*Miconia*	CA	N189	+++
AAO	3290	20/4/1998	Melastomataceae	*Miconia*	CA	N190	+++
PSC	173	20/4/1997	Melastomataceae	*Clidemia*	FO e CA	N191	++++
PSC	173	20/4/1997	Melastomataceae	*Clidemia*	FO e CA	N192	++++
PSC	357	16/8/1997	Annonaceae	*Duguetia uniflora*	Lenho	N193	++++
PSC	357	16/8/1997	Annonaceae	*Duguetia uniflora*	Lenho	N194	+++
PSC	400	10/8/1997	Chrysobalanaceae	*Licania*	FO e FR	N195	++++
PSC	400	10/8/1997	Chrysobalanaceae	*Licania*	FO e FR	N196	++++
IBS	26	27/6/1998	Leg-Caesalpinioideae	*Hymenaea courbaril*	FR	N197	++
IBS	26	27/6/1998	Leg-Caesalpinioideae	*Hymenaea courbaril*	FR	N198	++++
AAO	3262	17/4/1998	Leg-Faboideae	*Tachigali rígida*	CA	N199	++++
AAO	3262	17/4/1998	Leg-Faboideae	*Tachigali rígida*	CA	N200	++++
AAO	3291	20/4/1998	Clusiaceae	*Vismia schultesii*	FO e CA	N201	++++
PSC	115	18/4/1997	Annonaceae	*Guatteria riparia*	FO	N203	+++
PSC	115	18/4/1997	Annonaceae	*Guatteria riparia*	FO	N204	+++
IBS	26	27/6/1998	Leg-Caesalpinioideae	*Hymenaea courbaril*	CA	N205	++++
IBS	26	27/6/1998	Leg-Caesalpinioideae	*Hymenaea courbaril*	CA	N206	++++
PSC	193	30/5/1997	Clusiaceae	*Clusia spathulifolia*	FO	N207	+++
PSC	193	30/5/1997	Clusiaceae	*Clusia spathulifolia*	FO	N208	++++
AAO	3275	18/4/1998	Clusiaceae	*Haploclathra paniculata*	FO	N209	+++
AAO	3275	18/4/1998	Clusiaceae	*Haploclathra paniculata*	FO	N210	++++
PSC	148	19/4/1997	Clusiaceae	*Tovomita SP*	CA	N211	+++
PSC	148	19/4/1997	Clusiaceae	*Tovomita SP*	CA	N212	++++

PSC	193	30/5/1997	Clusiaceae	*Clusia spathulifolia*	OA	N213	+++
PSC	193	30/5/1997	Clusiaceae	*Clusia spathulifolia*	OA	N214	++++
AAO	3278	19/4/1998	Lauraceae	*Endlicheria*	CA	N252	+++
PSC	192	30/5/1997	Lauraceae	*Ocotea SP*	CA	N253	+++
PSC	192	30/5/1997	Lauraceae	*Ocotea SP*	CA	N254	++
PSC	207	31/5/1997	Flacourtiaceae	*Homalium racemosum*	FO e FL	N255	+++
PSC	207	31/5/1997	Flacourtiaceae	*Homalium racemosum*	FO e FL	N256	++++
PSC	117	18/4/1997	Leg-Caesalpinioideae	*Cynometra spruceana*	OA	N257	+++
PSC	117	18/4/1997	Leg-Caesalpinioideae	*Cynometra spruceana*	OA	N258	+++
IBS	2	25/6/1998	Capparidaceae	*Capparis sola*	CA	N259	++
IBS	2	25/6/1998	Capparidaceae	*Capparis sola*	CA	N260	+
PSC	271	8/8/1997	Connaraceae	*Connarus cf. perrottetii*	CA	N261	++++
PSC	271	8/8/1997	Connaraceae	*Connarus cf. perrottetii*	CA	N262	++++
PSC	396	10/8/1997	Leg-Caesalpinioideae	*Macrolobium multijugum*	CA	N263	++++
PSC	396	10/8/1997	Leg-Caesalpinioideae	*Macrolobium multijugum*	CA	N264	++++
IBS	12	25/6/1998	Leg-Caesalpinioideae	*Cynometra bauhiniifolia*	CA	N265	++++
IBS	12	25/6/1998	Leg-Caesalpinioideae	*Cynometra bauhiniifolia*	CA	N266	++
PSC	415	12/4/1997	Leg-Faboideae	*Aeschynomene sensitiva*	CA	N267	++
PSC	415	12/4/1997	Leg-Faboideae	*Aeschynomene sensitiva*	CA	N268	+
AAO	3303	10/9/1998	Burseraceae		FO	N270	+
AAO	3330	10/9/1998	Flacourtiaceae	*Casearia spruceana*	FO	N271	+++
AAO	3330	10/9/1998	Flacourtiaceae	*Casearia spruceana*	FO	N272	++
AAO	3309	10/9/1998	Clusiaceae	*Caraipa grandifolia*	OA	N275	+++
AAO	3309	10/9/1998	Clusiaceae	*Caraipa grandifolia*	OA	N276	+++
IBS	25	27/6/1998	Rubiaceae	*Borojoa*	FO	N277	++
IBS	25	27/6/1998	Rubiaceae	*Borojoa*	FO	N278	++

PSC	131	19/4/1997	Simaroubaceae	*Simaba cf. paraenesis*	FO	N279	+
PSC	131	19/4/1997	Simaroubaceae	*Simaba cf. paraenesis*	FO	N280	+++
AAO	3283	19/4/1998	Rubiaceae	*Borreria*	OA	N281	+++
AAO	3283	19/4/1998	Rubiaceae	*Borreria*	OA	N282	+
PSC	80	8/7/1997	Violaceae	*Amphirrhox longifólia*	OA	N283	+
PSC	147	19/4/1997	Simaroubaceae	*Simaba guianensis*	CA	N285	+
PSC	147	19/4/1997	Simaroubaceae	*Simaba guianensis*	CA	N286	+
AAO	3296	10/9/1998	Capparidaceae	*Crataeva tapia*	OA	N288	+
PSC	137	19/4/1997	Leg-Caesalpinioideae	*Macrollobium acaciifolium*	FR	N289	+++
PSC	137	19/4/1997	Leg-Caesalpinioideae	*Macrollobium acaciifolium*	FR	N290	+++
AAO	3331	12/9/1998	Bignoniaceae	*Distictella magnoliifolia*	FO e CA	N291	+++
AAO	3331	12/9/1998	Bignoniaceae	*Distictella magnoliifolia*	FO e CA	N292	++
AAO	3297	10/9/1998	Polygonaceae	*Coccoloba*	FO e CA	N293	++
AAO	3297	10/9/1998	Polygonaceae	*Coccoloba*	FO e CA	N294	++
AAO	3292	20/4/1998	Rhabdodendraceae	*Rhabdodendron*	FO e CA	N295	++
AAO	3292	20/4/1998	Rhabdodendraceae	*Rhabdodendron*	FO e CA	N296	++
PSC	387	16/8/1997	Polygonaceae	*Ruprechtia*	CA	N297	++++
PSC	387	16/8/1997	Polygonaceae	*Ruprechtia*	CA	N298	++++
PSC	362	16/8/1997	Burseraceae	*Protium unifoliolatum*	CA	N299	++++
PSC	362	16/8/1997	Burseraceae	*Protium unifoliolatum*	CA	N300	+++
IBS	8	25/6/1998	Annonaceae	*Xylopia aromática*	OA	N301	++
IBS	8	25/6/1998	Annonaceae	*Xylopia aromática*	OA	N302	++
PSC	112	18/4/1997	Bignoniaceae	*Tabebuia barbata*	CA	N303	++
PSC	112	18/4/1997	Bignoniaceae	*Tabebuia barbata*	CA	N304	+
PSC	357	16/8/1997	Annonaceae	*Duguetia uniflora*	FO e CA	N305	+++
PSC	357	16/8/1997	Annonaceae	*Duguetia uniflora*	FO e CA	N306	+++

AAO	3313	11/9/1998	Sapindaceae	*Matayba*	OA	N307	+
AAO	3313	11/9/1998	Sapindaceae	*Matayba*	OA	N308	++
AAO	3292	20/4/1998	Rhabdodendraceae	*Rhabdodendron*	CA	N309	++++
AAO	3292	20/4/1998	Rhabdodendraceae	*Rhabdodendron*	CA	N310	+++
PSC	414	12/4/1997	Myrtaceae	*Psidium densicomum*	CA	N311	+++
PSC	414	12/4/1997	Myrtaceae	*Psidium densicomum*	CA	N312	++
PSC	99	18/4/1997	Myrtaceae	*Eugenia*	CA	N313	+++
PSC	99	18/4/1997	Myrtaceae	*Eugenia*	CA	N314	++
AAO	3328	11/9/1998	Annonaceae	*Guatteria foliosa*	FO	N315	++
AAO	3328	11/9/1998	Annonaceae	*Guatteria foliosa*	FO	N316	++
PSC	188	30/5/1997	Leg-Faboideae	*Dalbergia inundata*	OA	N317	+++
PSC	188	30/5/1997	Leg-Faboideae	*Dalbergia inundata*	OA	N318	++
PSC	403	12/4/1997	Euphorbiaceae	*Pera distichophylla*	CA	N319	+++
PSC	403	12/4/1997	Euphorbiaceae	*Pera distichophylla*	CA	N320	++
PSC	414	12/4/1997	Myrtaceae	*Psidium densicomum*	FO e FL	N322	+++
PSC	83	19/1/1997	Leg-Caesalpinioideae	*Mora paraenses*	CA	N323	+++
PSC	83	19/1/1997	Leg-Caesalpinioideae	*Mora paraenses*	CA	N324	+++
PSC	83	19/1/1997	Leg-Caesalpinioideae	*Mora paraenses*	FO e CA	N325	+++
PSC	83	19/1/1997	Leg-Caesalpinioideae	*Mora paraenses*	FO e CA	N326	++++
PSC	91	10/9/1997	Leg-Caesalpinioideae	*Swartzia macrocarpa*	OA	N327	+++
PSC	91	30/9/1997	Leg-Caesalpinioideae	*Swartzia macrocarpa*	OA	N328	++
IBS	7	25/6/1998	Gentianaceae	*Irlbachia alata*	PL	N329	+
IBS	7	25/6/1998	Gentianaceae	*Irlbachia alata*	PL	N330	+
AAO	3294	9/9/1998	Polygonaceae	*Triplaris surinamensis*	FO	N331	+++
AAO	3294	9/9/1998	Polygonaceae	*Triplaris surinamensis*	FO	N332	++++
PSC	124	18/4/1997	Connaraceae	*Rourea cuspidata*	FO e FL	N333	++

PSC	124	18/4/1997	Connaraceae	*Rourea cuspidata*	FO e FL	N334	+++
PSC	134	19/4/1997	Clusiaceae	*Tovomita*	CA	N335	++
PSC	134	19/4/1997	Clusiaceae	*Tovomita*	CA	N336	+++
PSC	199	31/5/1997	Euphorbiaceae	*Amanoa cf.gracillima*	SE	N337	+++
PSC	199	31/5/1997	Euphorbiaceae	*Amanoa cf.gracillima*	SE	N338	+++
IBS	2	25/6/1998	Capparidaceae	*Capparis sola*	FO	N339	++
IBS	2	25/6/1998	Capparidaceae	*Capparis sola*	FO	N340	++
PSC	123	18/4/1997	Leg-Caesalpinioideae	*Aldina*	CA	N341	++++
PSC	123	18/4/1997	Leg-Caesalpinioideae	*Aldina*	CA	N342	+++
PSC	130	19/4/1997	Polygonaceae		OA	N343	+++
PSC	130	19/4/1997	Polygonaceae		OA	N344	++
AAO	3330	10/9/1998	Flacourtiaceae	*Casearia spruceana*	CA	N345	+++
AAO	3330	10/9/1998	Flacourtiaceae	*Casearia spruceana*	CA	N346	++
PSC	137	19/4/1997	Leg-Caesalpinioideae	*Macrollobium acaciifolium*	CA	N347	+++
PSC	137	19/4/1997	Leg-Caesalpinioideae	*Macrollobium acaciifolium*	CA	N348	+++
IBS	9	25/6/1998	Leg-Mimosoideae	*Stryphnodendron pulcherrimum*	FO	N349	+++
IBS	9	25/6/1998	Leg-Mimosoideae	*Stryphnodendron pulcherrimum*	FO	N350	++
IBS	9	25/6/1998	Leg-Mimosoideae	*Stryphnodendron pulcherrimum*	CA	N351	++++
IBS	9	25/6/1998	Leg-Mimosoideae	*Stryphnodendron pulcherrimum*	CA	N352	+++
PSC	391	10/8/1997	Leg-Faboideae	*Heterostemon mimosoides*	CA	N353	+++
PSC	391	10/8/1997	Leg-Faboideae	*Heterostemon mimosoides*	CA	N354	++
PSC	129	19/4/1997	Loranthaceae	*Psittacanthus cucularis*	FL	N355	+++
PSC	129	19/4/1997	Loranthaceae	*Psittacanthus cucularis*	FL	N356	+++
AAO	3299	10/9/1998	Rutaceae	*Zanthoxylum*	FO	N357	+++
AAO	3299	10/9/1998	Rutaceae	*Zanthoxylum*	FO	N358	++
AAO	3320	11/9/1998	Euphorbiaceae	*Croton glandulosus*	FO e CA	N359	+

AAO	3320	11/9/1998	Euphorbiaceae	*Croton glandulosus*	FO e CA	N360	+
AAO	3282	19/4/1998	Polygalaceae	*Bredemeyera*	FO e CA	N361	++
AAO	3282	19/4/1998	Polygalaceae	*Bredemeyera*	FO e CA	N362	+
PSC	122	18/4/1997	Polygonaceae	*Cimeria SP*	OA	N363	+++
PSC	122	18/4/1997	Polygonaceae	*Cimeria SP*	OA	N364	++++
PSC	144	19/4/1997	Proteaceae	*Roupala*	FO	N365	+++
PSC	144	19/4/1997	Proteaceae	*Roupala*	FO	N366	++
AAO	3286	20/4/1998	Flacourtiaceae	*Casearia*	CA	N367	+++
AAO	3286	20/4/1998	Flacourtiaceae	*Casearia*	CA	N368	++
AAO	3286	20/4/1998	Flacourtiaceae	*Casearia*	FO e CA	N369	+
AAO	3286	20/4/1998	Flacourtiaceae	*Casearia*	FO e CA	N370	+
AAO	3274	18/4/1998	Rhizophoraceae	*Cassipourea guianensis*	FO e CA	N371	+++
AAO	3274	18/4/1998	Rhizophoraceae	*Cassipourea guianensis*	FO e CA	N372	+++
PSC	93	9/10/1997	Rubiaceae	*Amaioua*	FO e FR	N373	+++
PSC	93	9/10/1997	Rubiaceae	*Amaioua*	FO e FR	N374	+++
PSC	250	8/8/1997	Rubiaceae	*Psychotria*	FO e CA	N375	+
PSC	250	8/8/1997	Rubiaceae	*Psychotria*	FO e CA	N376	+
PSC	196	28/5/1997	Euphorbiaceae	*Hevea microphylla*	CA	N377	+++
PSC	196	28/5/1997	Euphorbiaceae	*Hevea microphylla*	CA	N378	+
PSC	410	12/4/1997	Gentianaceae	*Irlbachia punila*	PL	N379	+
PSC	410	12/4/1997	Gentianaceae	*Irlbachia punila*	PL	N380	+
IBS	14	25/6/1998	Humiriaceae	*Schistostemon oblongifolium*	FO	N381	+++
IBS	14	25/6/1998	Humiriaceae	*Schistostemon oblongifolium*	FO	N382	+++
PSC	199	31/5/1997	Euphorbiaceae	*Amanoa cf.gracillima*	CA	N383	+++
PSC	199	31/5/1997	Euphorbiaceae	*Amanoa cf.gracillima*	CA	N384	+++
PSC	86	3/2/1997	Euphorbiaceae	*Croton cuneatus*	OA	N385	+++

PSC	86	3/2/1997	Euphorbiaceae	*Croton cuneatus*	OA	N386	+
PSC	87	3/2/1997	Ebenaceae	*Diospyros*	OA	N387	+++
PSC	87	3/2/1997	Ebenaceae	*Diospyros*	OA	N388	+++
PSC	125	19/4/1997	Hippocrateaceae	*Salacia impressifolia*	CA	N389	++
PSC	125	19/4/1997	Hippocrateaceae	*Salacia impressifolia*	CA	N390	++
IBS	24	27/6/1998	Gentianaceae	*Chelonanthus albus*	PL	N391	+
IBS	24	27/6/1998	Gentianaceae	*Chelonanthus albus*	PL	N392	+
PSC	128	19/4/1997	Leg-Faboideae	*Lonchocarpus denudatus*	FL e CA	N393	++
PSC	128	19/4/1997	Leg-Faboideae	*Lonchocarpus denudatus*	FL e CA	N394	+
PSC	143	19/4/1997	Leg-Faboideae	*Acosmium*	CA	N395	+++
PSC	143	19/4/1997	Leg-Faboideae	*Acosmium*	CA	N396	++
PSC	82	19/1/1997	Leg-Faboideae	*Dioclea violaceae*	CA	N397	+++
PSC	82	19/1/1997	Leg-Faboideae	*Dioclea violaceae*	CA	N398	+
PSC	116	18/4/1997	Leg-Faboideae	*Ormosia*	CA	N400	+
PSC	132	19/4/1997	Leg-Faboideae	*Clitoriafairchildiana*	CA	N401	+
PSC	132	19/4/1997	Leg-Faboideae	*Clitoriafairchildiana*	CA	N401	+
PSC	353	16/8/1997	Leg-Caesalpinioideae	*Tachigali cf. catingae*	FO e CA	N404	+
PSC	114	18/4/1997	Leg-Faboideae	*Clathrotropismacrocarpa*	CA	N405	+
PSC	129	19/4/1997	Loranthaceae	*Psittacanthuscucularis*	CA	N407	+
PSC	129	19/4/1997	Loranthaceae	*Psittacanthuscucularis*	CA	N408	++
PSC	132	19/4/1997	Leg-Faboideae	*Clitoriafairchildiana*	FO e CA	N410	+
PSC	108	18/4/1997	Leg-Faboideae	*Taraleaoppositifolia*	FO	N412	+
PSC	108	18/4/1997	Leg-Faboideae	*Taraleaoppositifolia*	FR	N414	+
PSC	108	18/4/1997	Leg-Faboideae	*Taraleaoppositifolia*	CA	N416	+
IBS	21	27/6/1998	Flacourtiaceae	*Homaliumracemosum*	FO e CA	N418	+++
AAO	3274	18/4/1998	Rhizophoraceae	*Cassipoureaguianensis*	CA	N420	+

PSC	124	18/4/1997	Connaraceae	*Roureacuspidata*	CA	N422	++
PSC	407	12/4/1997	Euphorbiaceae	*Phyllanthusattenuatus*	CA	N423	+
PSC	407	12/4/1997	Euphorbiaceae	*Phyllanthusattenuatus*	CA	N424	+
PSC	207	31/5/1997	Flacourtiaceae	*Homaliumracemosum*	CA	N426	++
PSC	306	15/8/1997	Rhabdodendraceae	*Rhabdodendronamazonicum*	CA	N428	+
PSC	144	19/4/1997	Proteaceae	*Roupala*	CA	N429	+
PSC	144	19/4/1997	Proteaceae	*Roupala*	CA	N430	+
IBS	25	27/6/1998	Rubiaceae	*Borojoa*	CA	N432	+
PSC	205	31/5/1997	Leg-Faboideae	*Ormosia*	FO e FR	N433	++
PSC	205	31/5/1997	Leg-Faboideae	*Ormosia*	FO e FR	N434	++
PSC	205	31/5/1997	Leg-Faboideae	*Ormosia*	CA	N435	+
PSC	205	31/5/1997	Leg-Faboideae	*Ormosia*	CA	N436	+
PSC	119	18/4/1997	Combretaceae	*Combretumbrevistylum*	CA	N437	++
PSC	119	18/4/1997	Combretaceae	*Combretumbrevistylum*	CA	N438	++
PSC	396	10/8/1997	Leg-Caesalpinioideae	*Macrolobiummultijugum*	CA	N439	+++
PSC	396	10/8/1997	Leg-Caesalpinioideae	*Macrolobiummultijugum*	CA	N440	+++
PSC	118	18/4/1997	Combretaceae	*Buchenaviasuavelons*	OA	N441	+++
PSC	118	18/4/1997	Combretaceae	*Buchenaviasuavelons*	OA	N442	+++
PSC	378	16/8/1997	Combretaceae	*Buchenaviasuaveolens*	OA	N443	+++
PSC	378	16/8/1997	Combretaceae	*Buchenaviasuaveolens*	OA	N444	+++
PSC	98	10/7/1997	Clusiaceae	*Vismiaguianensis*	FO e FR	N445	++
PSC	98	10/7/1997	Clusiaceae	*Vismiaguianensis*	FO e FR	N446	+++
AAO	3336	13/9/1998	Apocynaceae	*Coumautilis*	CA	N447	++
AAO	3336	13/9/1998	Apocynaceae	*Coumautilis*	CA	N448	++
PSC	121	18/4/1997	Leg-Faboideae	*Machaeriuminundatum*	CA	N449	++
PSC	121	18/4/1997	Leg-Faboideae	*Machaeriuminundatum*	CA	N450	++

IBS	5	25/6/1998	Lauraceae	*Ocotea cf. cymbarum*	FO	N451	+++
IBS	5	25/6/1998	Lauraceae	*Ocotea cf. cymbarum*	FO	N452	+++
IBS	3	25/6/1998	Lauraceae	*Ocotealongifolia*	FO	N453	++
IBS	3	25/6/1998	Lauraceae	*Ocotealongifolia*	FO	N454	+
IBS	3	25/6/1998	Lauraceae	*Ocotealongifolia*	CA	N455	+++
IBS	3	25/6/1998	Lauraceae	*Ocotealongifolia*	CA	N456	+
PSC	192	30/5/1997	Lauraceae	*Ocoteasp*	OA	N457	+++
PSC	192	30/5/1997	Lauraceae	*Ocoteasp*	OA	N458	+++
PSC	131	19/4/1997	Simaroubaceae	*Simaba cf. paraenesis*	CA	N459	+
PSC	131	19/4/1997	Simaroubaceae	*Simaba cf. paraenesis*	CA	N460	+
PSC	126	19/4/1997	Sapotaceae	*Pouteria*	FR	N461	+
PSC	126	19/4/1997	Sapotaceae	*Pouteria*	FR	N462	+
PSC	392	10/8/1997	Styracaceae	*Styrax*	CA	N463	++
PSC	392	10/8/1997	Styracaceae	*Styrax*	CA	N464	++
PSC	401	10/8/1997	Vochysiaceae	*Ruizteraniaretusa*	FO e CA	N465	+++
PSC	401	10/8/1997	Vochysiaceae	*Ruizteraniaretusa*	FO e CA	N466	+++
PSC	392	10/8/1997	Styracaceae	*Styrax*	FO	N467	++
PSC	392	10/8/1997	Styracaceae	*Styrax*	FO	N468	++
PSC	106	18/4/1997	Sapindaceae	*Toulicia cf. pulvinata*	CA	N469	++
PSC	106	18/4/1997	Sapindaceae	*Toulicia cf. pulvinata*	CA	N470	+
PSC	126	19/4/1997	Sapotaceae	*Pouteria*	CA	N473	+++
PSC	126	19/4/1997	Sapotaceae	*Pouteria*	CA	N474	++
PSC	93	9/10/1997	Rubiaceae	*Amaioua*	CA	N475	+++
PSC	93	9/10/1997	Rubiaceae	*Amaioua*	CA	N476	++
AAO	3267	17/4/1998	Malpighiaceae	*Banisteriopsis*	CA	N477	+++
AAO	3267	17/4/1998	Malpighiaceae	*Banisteriopsis*	CA	N478	++

PSC	114	18/4/1997	Leg-Faboideae	*Clathrotropismacrocarpa*	FO	N479	+++
PSC	114	18/4/1997	Leg-Faboideae	*Clathrotropismacrocarpa*	FO	N480	+++
PSC	204	31/5/1997	Leg-Mimosoideae	*Pithecellobium*	CA	N481	+++
PSC	204	31/5/1997	Leg-Mimosoideae	*Pithecellobium*	CA	N482	++
AAO	3296	10/9/1998	Capparidaceae	*Crataevatapia*	CA	N483	+
AAO	3296	10/9/1998	Capparidaceae	*Crataevatapia*	CA	N484	+
PSC	121	18/4/1997	Leg-Faboideae	*Machaeriuminundatum*	FR	N485	++
PSC	121	18/4/1997	Leg-Faboideae	*Machaeriuminundatum*	FR	N486	++
PSC	113	18/4/1997	Caryocaraceae	*Caryocarmicrocarpum*	CA	N487	+++
PSC	113	18/4/1997	Caryocaraceae	*Caryocarmicrocarpum*	CA	N488	++
PSC	107	18/4/1997	Anacardiaceae	*Tapiriraguianensis*	CA	N489	+++
PSC	107	18/4/1997	Anacardiaceae	*Tapiriraguianensis*	CA	N490	++
PSC	104	18/4/1997	Bignoniaceae	*Distictellamagnoliifolia*	OA	N491	+
PSC	104	18/4/1997	Bignoniaceae	*Distictellamagnoliifolia*	OA	N492	++
AAO	3303	10/9/1998	Burseraceae		CA	N493	++
AAO	3303	10/9/1998	Burseraceae		CA	N494	++
AAO	3318	11/9/1998	Malpighiaceae	*Banisteriopsissp.*	FO e CA	N495	+++
AAO	3318	11/9/1998	Malpighiaceae	*Banisteriopsissp.*	FO e CA	N496	+++
PSC	99	18/4/1997	Myrtaceae	*Eugenia*	FO	N497	+++
PSC	99	18/4/1997	Myrtaceae	*Eugenia*	FO	N498	++
PSC	129	19/4/1997	Loranthaceae	*Psittacanthuscucularis*	FO	N499	+++
PSC	129	19/4/1997	Loranthaceae	*Psittacanthuscucularis*	FO	N500	++
PSC	116	18/4/1997	Leg-Faboideae	*Ormosia*	FO e FR	N501	+++
PSC	116	18/4/1997	Leg-Faboideae	*Ormosia*	FO e FR	N502	+++
PSC	210	31/5/1997	Loranthaceae	*Psittacanthus*	OA	N503	+++
PSC	210	31/5/1997	Loranthaceae	*Psittacanthus*	OA	N504	++

PSC	79	8/6/1997	Lecythidaceae	*Gustavia augusta*	CA	N505	+
PSC	79	8/6/1997	Lecythidaceae	*Gustavia augusta*	CA	N506	+
PSC	408	12/4/1997	Olacaceae	*Chaunochitonloranthoides*	FO	N507	+++
PSC	408	12/4/1997	Olacaceae	*Chaunochitonloranthoides*	FO	N508	+++
PSC	204	31/5/1997	Leg-Mimosoideae	*Pithecellobium*	FO	N509	+++
PSC	204	31/5/1997	Leg-Mimosoideae	*Pithecellobium*	FO	N510	++
IBS	33	27/6/1998	Malpighiaceae	*Byrsonima cf. duckeana*	FO	N511	++
IBS	33	27/6/1998	Malpighiaceae	*Byrsonima cf. duckeana*	FO	N512	++
PSC	79	8/6/1997	Lecythidaceae	*Gustavia augusta*	FO	N513	+
PSC	79	8/6/1997	Lecythidaceae	*Gustavia augusta*	FO	N514	++
PSC	120	18/4/1997	Malpighiaceae		OA	N515	+++
PSC	120	18/4/1997	Malpighiaceae		OA	N516	+
PSC	111	18/4/1997	Leg-Mimosoideae	*Parkiadiscolor*	CA	N517	+
PSC	149	19/4/1997	Malpighiaceae	*Byrsonima cf. sericea*	OA	N519	+++
PSC	149	19/4/1997	Malpighiaceae	*Byrsonima cf. sericea*	OA	N520	+++
AAO	3300	10/9/1998	Asclepiadaceae		OA	N521	+
AAO	3308	10/9/1998	Rubiaceae	*Duroia*	FO	N523	+++
AAO	3308	10/9/1998	Rubiaceae	*Duroia*	FO	N524	+++
PSC	102	18/4/1997	Hippocrateaceae	*Salacia*	FO	N525	++
PSC	102	18/4/1997	Hippocrateaceae	*Salacia*	FO	N526	+
PSC	97	18/4/1997	Leg-Mimosoidae	*Zygiumtuneiflora*	CA e FO	N527	+++
PSC	97	18/4/1997	Leg-Mimosoidae	*Zygiumtuneiflora*	CA e FO	N528	+
PSC	88	3/2/1997	Euphorbiaceae	*Piranheatrifoliata*	CA	N529	++
PSC	88	3/2/1997	Euphorbiaceae	*Piranheatrifoliata*	CA	N530	++
PSC	208	31/5/1997	Malpighiaceae	*Burdachia*	CA	N531	+++
PSC	208	31/5/1997	Malpighiaceae	*Burdachia*	CA	N532	+

PSC	82	19/1/1997	Leg-Faboideae	*Diocleaviolaceae*	FO e CA	N533	+++
PSC	82	19/1/1997	Leg-Faboideae	*Diocleaviolaceae*	FO e CA	N534	++
PSC	92	18/11/1997	Meliaceae	*Trichilia cf. pleeana*	OA	N535	+++
PSC	92	18/11/1997	Meliaceae	*Trichilia cf. pleeana*	OA	N536	+++
PSC	267	8/8/1997	Leg-Mimosoideae	*Pithecellobium*	OA	N537	+++
PSC	267	8/8/1997	Leg-Mimosoideae	*Pithecellobium*	OA	N538	+++
PSC	145	19/4/1997	Ochnaceae	*Blastomanthus*	CA	N539	+++
PSC	145	19/4/1997	Ochnaceae	*Blastomanthus*	CA	N540	+
PSC	119	18/4/1997	Combretaceae	*Combretumbrevistylum*	FO e FR	N541	+++
PSC	119	18/4/1997	Combretaceae	*Combretumbrevistylum*	FO e FR	N542	+
PSC	377	16/8/1997	Leg-Caesalpinioideae	*Macrolobiummultijugum*	FO	N543	++
PSC	377	16/8/1997	Leg-Caesalpinioideae	*Macrolobium multijugum*	FO	N544	+++
PSC	111	18/4/1997	Leg-Mimosoideae	*Parkia discolor*	FO	N545	++++
PSC	111	18/4/1997	Leg-Mimosoideae	*Parkia discolor*	FO	N546	++++
PSC	95	21/10/1997	Sapindaceae	*Matayba*	FO e CA	N547	++++
PSC	95	21/10/1997	Sapindaceae	*Matayba*	FO e CA	N548	++++
PSC	103	18/4/1997	Trigoniaceae	*Trigonia cf. sericea*	OA	N549	++++
PSC	103	18/4/1997	Trigoniaceae	*Trigonia cf. sericea*	OA	N550	++++
PSC	84	3/2/1997	Leg-Caesalpinioideae	*Campsiandra*	FO e CA	N551	++++
PSC	84	3/2/1997	Leg-Caesalpinioideae	*Campsiandra*	FO e CA	N552	++++
PSC	189	30/5/1997	Boraginaceae	*Tournefortia aff. Candidula*	OA	N553	++++
PSC	189	30/5/1997	Boraginaceae	*Tournefortia aff. Candidula*	OA	N554	++++
PSC	105	18/4/1997	Bignoniaceae	*Memora longilínea*	FO e CA	N555	++++
PSC	105	18/4/1997	Bignoniaceae	*Memora longilínea*	FO e CA	N556	+++
PSC	126	19/4/1997	Sapotaceae	*Pouteria*	FO	N557	+++
PSC	126	19/4/1997	Sapotaceae	*Pouteria*	FO	N558	++++

PSC	109	19/4/1997	Trimeriaceae		FO e CA	N559	++++
PSC	109	19/4/1997	Trimeriaceae		FO e CA	N560	++++
PSC	310	15/8/1997	Monimiaceae	*Siparuna guianensis*	OA	N561	++++
PSC	310	15/8/1997	Monimiaceae	*Siparuna guianensis*	OA	N562	++++
AAO	3306	10/9/1998	Leg-Caesalpinioideae	*Cassia leiandra*	FO	N563	++++
AAO	3306	10/9/1998	Leg-Caesalpinioideae	*Cassia leiandra*	FO	N564	++++
AAO	3294	9/9/1998	Polygonaceae	*Triplaris surinamensis*	FL	N565	++++
AAO	3294	9/9/1998	Polygonaceae	*Triplaris surinamensis*	FL	N566	++++
AAO	3315	11/9/1998	Melastomataceae	*Miconia alata*	OA	N567	++++
AAO	3315	11/9/1998	Melastomataceae	*Miconia alata*	OA	N568	++++
AAO	3354	22/1/1999	Apocynaceae	*Mandevilla rugosa*	OA	N569	++++
AAO	3354	22/1/1999	Apocynaceae	*Mandevilla rugosa*	OA	N570	++++
AAO	3319	11/9/1998	Rubiaceae	*Palicourea*	CA	N571	++++
AAO	3319	11/9/1998	Rubiaceae	*Palicourea*	CA	N572	++++
PSC	366	16/8/1997	Bignoniaceae	*Mansoa kerere*	FO e CA	N573	++++
PSC	366	16/8/1997	Bignoniaceae	*Mansoa kerere*	FO e CA	N574	+++
AAO	3333	12/9/1998	Lauraceae	*Endlicheria cf. macrophylla*	FO	N575	++++
AAO	3333	12/9/1998	Lauraceae	*Endlicheria cf. macrophylla*	FO	N576	++++
PSC	401	10/8/1997	Vochysiaceae	*Ruizterania retusa*	RA	N577	++++
PSC	401	10/8/1997	Vochysiaceae	*Ruizterania retusa*	RA	N578	++++
IBS	32	27/6/1998	Malpighiaceae	*Burdachia*	OA	N579	++++
IBS	32	27/6/1998	Malpighiaceae	*Burdachia*	OA	N580	+++
PSC	401	10/8/1997	Vochysiaceae	*Ruizterania retusa*	CA	N581	+++
PSC	401	10/8/1997	Vochysiaceae	*Ruizterania retusa*	CA	N582	+++
IBS	33	27/6/1998	Malpighiaceae	*Byrsonima cf. duckeana*	CA	N583	+++
IBS	33	27/6/1998	Malpighiaceae	*Byrsonima cf. duckeana*	CA	N584	+++

AAO	3298	10/9/1998	Rubiaceae	*Psychotria*	FO e CA	N585	++
AAO	3298	10/9/1998	Rubiaceae	*Psychotria*	FO e CA	N586	++
PSC	85	3/2/1997	Chrysobalanaceae	*Licania cf. parvifolia*	OA	N587	++
PSC	85	3/2/1997	Chrysobalanaceae	*Licania cf. parvifolia*	OA	N588	++
PSC	90	30/9/1997	Leg-Caesalpinioideae	*Crudia amazônica*	OA	N589	++
PSC	90	30/9/1997	Leg-Caesalpinioideae	*Crudia amazônica*	OA	N590	++
AAO	3294	9/9/1998	Polygonaceae	*Triplaris surinamensis*	CA	N591	+++
AAO	3294	9/9/1998	Polygonaceae	*Triplaris surinamensis*	CA	N592	++
AAO	3298	10/9/1998	Rubiaceae	*Psychotria*	OA	N593	+
AAO	3298	10/9/1998	Rubiaceae	*Psychotria*	OA	N594	++
PSC	402	12/4/1997	Bignoniaceae	*Distictella*	FO e CA	N595	+++
PSC	402	12/4/1997	Bignoniaceae	*Distictella*	FO e CA	N596	+++
PSC	101	18/4/1997	Leg-Caesalpinioideae	*Swartzia auriculata*	OA	N597	++
PSC	101	18/4/1997	Leg-Caesalpinioideae	*Swartzia auriculata*	OA	N598	++
PSC	102	18/4/1997	Hippocrateaceae	*Salacia*	CA	N599	++
PSC	102	18/4/1997	Hippocrateaceae	*Salacia*	CA	N600	++
PSC	265	8/8/1997	Leg-Caesalpinioideae	*Swartzia sericea*	CA	N601	++
PSC	265	8/8/1997	Leg-Caesalpinioideae	*Swartzia sericea*	CA	N602	++
PSC	121	18/4/1997	Leg-Faboideae	*Machaerium inundatum*	FO	N603	++
PSC	121	18/4/1997	Leg-Faboideae	*Machaerium inundatum*	FO	N604	+
PSC	377	16/8/1997	Leg-Caesalpinioideae	*Macrolobium multijugum*	CA	N605	+++
PSC	377	16/8/1997	Leg-Caesalpinioideae	*Macrolobium multijugum*	CA	N606	+++
AAO	3362	23/1/1999	Ebenaceae	*Diospyros*	CA	N607	+
AAO	3362	23/1/1999	Ebenaceae	*Diospyros*	CA	N608	+
AAO	3373	25/1/1999	Apocynaceae	*Macoubea sprucei*	FO	N609	++
AAO	3373	25/1/1999	Apocynaceae	*Macoubea sprucei*	FO	N610	++

AAO	3355	22/1/1999	Smilacaceae		OA	N611	++
AAO	3355	22/1/1999	Smilacaceae		OA	N612	++
AAO	3358	22/1/1999	Connaraceae	*Pseudoconnarus macrophyllus*	OA	N613	++++
AAO	3358	22/1/1999	Connaraceae	*Pseudoconnarus macrophyllus*	OA	N614	++++
AAO	3305	10/9/1998	Sapindaceae	*Allophyllus*	CA	N615	+++
AAO	3305	10/9/1998	Sapindaceae	*Allophyllus*	CA	N616	+
AAO	3297	10/9/1998	Polygonaceae	*Coccoloba*	CA	N617	++
AAO	3297	10/9/1998	Polygonaceae	*Coccoloba*	CA	N618	+
AAO	3363	23/1/1999	Rubiaceae	*Genipa*	CA	N619	+
AAO	3363	23/1/1999	Rubiaceae	*Genipa*	CA	N620	+
AAO	3295	9/9/1998	Flacourtiaceae	*Laetia cobymbulosa*	CA	N621	++++
AAO	3363	23/1/1999	Rubiaceae	*Genipa*	FO	N623	+++
AAO	3363	23/1/1999	Rubiaceae	*Genipa*	FO	N624	+++
AAO	3357	22/1/1999	Clusiaceae	*Clusia SP*	CA	N625	+++
AAO	3357	22/1/1999	Clusiaceae	*Clusia SP*	CA	N626	+++
AAO	3350	21/1/1999	Myrsinaceae		FO	N627	+++
AAO	3350	21/1/1999	Myrsinaceae		FO	N628	+++
AAO	3359	23/1/1999	Rubiaceae	*Psychotria*	OA	N630	+
AAO	3299	10/9/1998	Rutaceae	*Zanthoxylum*	CA	N631	+
AAO	3299	10/9/1998	Rutaceae	*Zanthoxylum*	CA	N632	+
AAO	3353	22/1/1999	Leg-Mimosoideae	*Abarema cf. jupunba*	OA	N633	+
AAO	3353	22/1/1999	Leg-Mimosoideae	*Abarema cf. jupunba*	OA	N634	++
AAO	3373	25/1/1999	Apocynaceae	*Macoubea sprucei*	CA	N635	+
AAO	3373	25/1/1999	Apocynaceae	*Macoubea sprucei*	CA	N636	+
AAO	3333	12/9/1998	Lauraceae	*Endlicheria cf. macrophylla*	CA	N637	+++
AAO	3333	12/9/1998	Lauraceae	*Endlicheria cf. macrophylla*	CA	N638	+

AAO	3342	21/1/1999	Leg-Mimosoideae	*Parkia discolor*	FO	N639	+++
AAO	3342	21/1/1999	Leg-Mimosoideae	*Parkia discolor*	FO	N640	++
AAO	3368	24/1/1999	Myristicaceae	*Virola theiodora*	CS	N641	+++
AAO	3368	24/1/1999	Myristicaceae	*Virola theiodora*	CS	N642	+++
AAO	3347	21/1/1999	Leg-Faboideae	*Swartzia macrocarpa*	FO	N643	++
AAO	3347	21/1/1999	Leg-Faboideae	*Swartzia macrocarpa*	FO	N644	++
AAO	3317	11/9/1998	Simaroubaceae	*Simarouba amara*	CA	N645	+++
AAO	3317	11/9/1998	Simaroubaceae	*Simarouba amara*	CA	N646	+++
IBS	2	25/6/1998	Capparidaceae	*Capparis sola*	CA	N647	++
AAO	3368	24/1/1999	Myristicaceae	*Virola theiodora*	FO	N651	+++
AAO	3384	2/4/1999	Convolvulaceae	*Maripa repens*	OA	N724	++
AAO	3379	2/4/1999	Combretaceae	*Buchenavia*	FR	N725	+++
AAO	3379	2/4/1999	Combretaceae	*Buchenavia*	FR	N726	++
AAO	3400	3/4/1999	Apocynaceae	*Forsteronia acouci*	CA	N727	+++
AAO	3400	3/4/1999	Apocynaceae	*Forsteronia acouci*	CA	N728	++
AAO	3396	3/4/1999	Apocynaceae	*Himatanthus attenuatus*	CA	N729	+++
AAO	3396	3/4/1999	Apocynaceae	*Himatanthus attenuatus*	CA	N730	+
AAO	3401	3/4/1999	Apocynaceae	*Couma utilis*	CA	N731	++
AAO	3401	3/4/1999	Apocynaceae	*Couma utilis*	CA	N732	++
AAO	3395	2/4/1999	Apocynaceae	*Malouetia tamaquarina*	OA	N733	+++
AAO	3395	2/4/1999	Apocynaceae	*Malouetia tamaquarina*	OA	N734	+++
AAO	3393	2/4/1999	Apocynaceae	*Microplumeria anômala*	FO	N735	++
AAO	3401	3/4/1999	Apocynaceae	*Couma utilis*	FO	N736	++
AAO	3401	3/4/1999	Apocynaceae	*Couma utilis*	FO	N737	+++
AAO	3435	30/7/1999	Moraceae	*Ficus subapiculata*	OA	N738	++
AAO	3435	30/7/1999	Moraceae	*Ficus subapiculata*	OA	N739	+++

AAO	3419	29/7/1999	Leg-Faboideae	*Cymbosema*	OA	N740	+++
AAO	3419	29/7/1999	Leg-Faboideae	*Cymbosema*	OA	N742	+
AAO	3409	29/7/1999	Clusiaceae	*Tovomita longifólia*	FO	N743	++
AAO	3409	29/7/1999	Clusiaceae	*Tovomita longifólia*	FO	N744	+++
AAO	3412	29/7/1999	Flacourtiaceae	*Homalium racemosum*	CA	N745	+++
AAO	3412	29/7/1999	Flacourtiaceae	*Homalium racemosum*	CA	N746	++
AAO	3436	30/7/1999	Rubiaceae	*Uncaria guianensis*	OA	N747	+++
AAO	3436	30/7/1999	Rubiaceae	*Uncaria guianensis*	OA	N748	+++
AAO	3429	30/7/1999	Leg-Faboideae	*Pterocarpus amazonicus*	OA	N749	++
AAO	3429	30/7/1999	Leg-Faboideae	*Pterocarpus amazonicus*	OA	N750	++
AAO	3422	29/7/1999	Clusiaceae	*Garcinia madruno*	FO	N751	++
AAO	3422	29/7/1999	Clusiaceae	*Garcinia madruno*	FO	N752	+
AAO	3440	30/7/1999	Bignoniaceae	*Anemopaegma chrysoleucum*	OA	N753	++
AAO	3440	30/7/1999	Bignoniaceae	*Anemopaegma chrysoleucum*	OA	N754	++
AAO	3423	29/7/1999	Araceae	*Phylodendron solimoesense*	CA	N755	+++
AAO	3423	29/7/1999	Araceae	*Phylodendron solimoesense*	CA	N756	++
AAO	3420	29/7/1999	Verbenaceae	*Vitex sp.*	CA	N757	++
AAO	3420	29/7/1999	Verbenaceae	*Vitex sp.*	CA	N758	++
AAO	3416	29/7/1999	Myristicaceae	*Virola theiodora*	CA	N759	+++
AAO	3416	29/7/1999	Myristicaceae	*Virola theiodora*	CA	N760	+++
AAO	3422	29/7/1999	Clusiaceae	*Garcinia madruno*	CA	N761	++
AAO	3422	29/7/1999	Clusiaceae	*Garcinia madruno*	CA	N762	+
AAO	3407	29/7/1999	Clusiaceae	*Clusia spathulaefolia*	FO	N763	++
AAO	3407	29/7/1999	Clusiaceae	*Clusia spathulaefolia*	FO	N764	+
AAO	3442	30/7/1999	Vochysiaceae	*Erisma comosa*	CA	N765	++++
AAO	3442	30/7/1999	Vochysiaceae	*Erisma comosa*	CA	N766	++

AAO	3411	29/7/1999	Melastomataceae	*Loreya wordackiana*	CA	N767	+++
AAO	3411	29/7/1999	Melastomataceae	*Loreya wordackiana*	CA	N768	++
AAO	3411	29/7/1999	Melastomataceae	*Loreya wordackiana*	FO	N769	+++
AAO	3411	29/7/1999	Melastomataceae	*Loreya wordackiana*	FO	N770	++
AAO	3396	3/4/1999	Apocynaceae	*Himatanthus attenuatus*	FO	N771	++
AAO	3396	3/4/1999	Apocynaceae	*Himatanthus attenuatus*	FO	N772	+
AAO	3423	29/7/1999	Araceae	*Phylodendron solimoesense*	FO	N773	++
AAO	3423	29/7/1999	Araceae	*Phylodendron solimoesense*	FO	N774	+
AAO	3432	30/7/1999	Dilleniaceae	*Doliocarpus guianensis*	SE	N775	+++
AAO	3432	30/7/1999	Dilleniaceae	*Doliocarpus guianensis*	SE	N776	++
AAO	3449	1/8/1999	Annonaceae	*Ephedranthus amazonicus*	CA	N777	+++
AAO	3449	1/8/1999	Annonaceae	*Ephedranthus amazonicus*	CA	N778	++
AAO	3345	21/1/1999	Apocynaceae	*Himatanthus attenuatus*	FO	N779	+
AAO	3345	21/1/1999	Apocynaceae	*Himatanthus attenuatus*	FO	N780	+
AAO	3472	27/8/1999	Aquifoliaceae	*Ilex theezans*	CA	N781	+++
AAO	3472	27/8/1999	Aquifoliaceae	*Ilex theezans*	CA	N782	++
AAO	3454	26/8/1999	Piperaceae	*Piper arboreum*	OA	N783	+++
AAO	3457	26/8/1999	Dilleniaceae	*Davilla rugosa*	OA	N785	+++
AAO	3457	26/8/1999	Dilleniaceae	*Davilla rugosa*	OA	N786	+
AAO	3474	27/8/1999	Melastomataceae	*Miconia cinerascens*	FO	N787	++
AAO	3474	27/8/1999	Melastomataceae	*Miconia cinerascens*	FO	N788	+
AAO	3455	26/8/1999	Asteraceae	*Piptocarpha cinérea*	CA	N789	+++
AAO	3455	26/8/1999	Asteraceae	*Piptocarpha cinérea*	CA	N790	+++
AAO	3453	26/8/1999	Gesneriaceae	*Nematanthus fissus*	PL	N791	+++
AAO	3453	26/8/1999	Gesneriaceae	*Nematanthus fissus*	PL	N792	+
AAO	3468	27/8/1999	Asteraceae	*Piptocarpha cinérea*	OA	N793	+++

AAO	3468	27/8/1999	Asteraceae	*Piptocarpha cinérea*	OA	N794	+++
AAO	3466	27/8/1999	Solanaceae	*Brunfelsia cf.pauciflora*	PL	N795	++
AAO	3466	27/8/1999	Solanaceae	*Brunfelsia cf.pauciflora*	PL	N796	++
AAO	3474	27/8/1999	Melastomataceae	*Miconia cinerascens*	CA	N797	+++
AAO	3474	27/8/1999	Melastomataceae	*Miconia cinerascens*	CA	N798	+
AAO	3468	27/8/1999	Asteraceae	*Piptocarpha cinérea*	CA	N799	+++
AAO	3468	27/8/1999	Asteraceae	*Piptocarpha cinérea*	CA	N800	+++
AAO	3442	30/7/1999	Vochysiaceae	*Erisma comosa*	OA	N801	+++
AAO	3442	30/7/1999	Vochysiaceae	*Erisma comosa*	OA	N802	++++
AAO	3409	29/7/1999	Clusiaceae	*Tovomita longifólia*	CA	N803	++
AAO	3409	29/7/1999	Clusiaceae	*Tovomita longifólia*	CA	N804	++
AAO	3456	26/8/1999	Melastomataceae	*Clidemia hirta*	OA	N805	+++
AAO	3456	26/8/1999	Melastomataceae	*Clidemia hirta*	OA	N806	+++
PSC	133	19/4/1997	Leg-Faboideae	*Derris*	FO e CA	N807	+++
PSC	133	19/4/1997	Leg-Faboideae	*Derris*	FO e CA	N808	++
PSC	147	19/4/1997	Simaroubaceae	*Simaba guianensis*	OA	N809	+++
PSC	147	19/4/1997	Simaroubaceae	*Simaba guianensis*	OA	N810	+++
AAO	3412	29/7/1999	Flacourtiaceae	*Homalium racemosum*	OA	N811	+++
AAO	3412	29/7/1999	Flacourtiaceae	*Homalium racemosum*	OA	N812	++++
AAO	3432	30/7/1999	Dilleniaceae	*Doliocarpus guianensis*	OA	N813	+++
AAO	3432	30/7/1999	Dilleniaceae	*Doliocarpus guianensis*	OA	N814	+++
PSC	110	18/4/1997	Leg-Caesalpinioideae	*Swartzia polyphylla*	FO e CA	N815	++
PSC	110	18/4/1997	Leg-Caesalpinioideae	*Swartzia polyphylla*	FO e CA	N816	++
AAO	3449	1/8/1999	Annonaceae	*Ephedranthus amazonicus*	FO	N817	+++
AAO	3449	1/8/1999	Annonaceae	*Ephedranthus amazonicus*	FO	N818	+++
AAO	3467	27/8/1999	Asteraceae	*Mikania cf.capricornii*	OA	N819	+++

AAO	3467	27/8/1999	Asteraceae	*Mikania cf.capricornii*	OA	N820	++++
AAO	3421	29/7/1999	Passifloraceae	*Passiflora*	OA	N821	+
AAO	3421	29/7/1999	Passifloraceae	*Passiflora*	OA	N822	+
AAO	3407	29/7/1999	Clusiaceae	*Clusia spathulaefolia*	CA	N823	++
AAO	3407	29/7/1999	Clusiaceae	*Clusia spathulaefolia*	CA	N824	+
AAO	3471	27/8/1999	Melastomataceae	*Tibouchina clavata*	OA	N825	+
AAO	3471	27/8/1999	Melastomataceae	*Tibouchina clavata*	OA	N826	++++
AAO	3481	30/9/1999	Leg-Mimosoideae	*Pentaclethra macroloba*	CA	N827	++++
AAO	3481	30/9/1999	Leg-Mimosoideae	*Pentaclethra macroloba*	CA	N828	++++
AAO	3481	30/9/1999	Leg-Mimosoideae	*Pentaclethra macroloba*	FO	N829	++++
AAO	3481	30/9/1999	Leg-Mimosoideae	*Pentaclethra macroloba*	FO	N830	+++
AAO	3423	29/7/1999	Araceae	*Phylodendron solimoesense*	RA	N831	+++
AAO	3423	29/7/1999	Araceae	*Phylodendron solimoesense*	RA	N832	+++
AAO	3424	30/7/1999	Leg-Faboideae	*Machaerium anistulatum*	OA	N833	+
AAO	3424	30/7/1999	Leg-Faboideae	*Machaerium anistulatum*	OA	N834	+
AAO	3461	27/8/1999	Asteraceae	*Vernonia scorpioides*	OA	N835	+++
AAO	3461	27/8/1999	Asteraceae	*Vernonia scorpioides*	OA	N836	++++
AAO	3470	27/8/1999	Flacourtiaceae	*Xylosma psedosalzmanii*	OA	N837	+++
AAO	3470	27/8/1999	Flacourtiaceae	*Xylosma psedosalzmanii*	OA	N838	+++
AAO	3459	26/8/1999	Lauraceae	*Endlicheria paniculata*	OA	N839	++
AAO	3459	26/8/1999	Lauraceae	*Endlicheria paniculata*	OA	N840	+
AAO	3458	26/8/1999	Myrsinaceae	*Rapanea parvifolia*	OA	N841	+++
AAO	3458	26/8/1999	Myrsinaceae	*Rapanea parvifolia*	OA	N842	++++
AAO	3484	1/10/1999	Theaceae		PO	N843	+++
AAO	3484	1/10/1999	Theaceae		PO	N844	++++
AAO	3487	1/10/1999	Asteraceae	*Gongylolepis martiana*	FO	N845	+

AAO	3487	1/10/1999	Asteraceae	*Gongylolepis martiana*	FO	N846	++
AAO	3434	30/7/1999	Sapindaceae	*Matayba sp. (sp.2 - Flora Ducke)*	PO	N847	++
AAO	3434	30/7/1999	Sapindaceae	*Matayba sp. (sp.2 - Flora Ducke)*	PO	N848	++
AAO	3491	1/10/1999	Ebenaceae	*Diospyros cf. guianensis*	OA	N849	++
AAO	3491	1/10/1999	Ebenaceae	*Diospyros cf. guianensis*	OA	N850	++
AAO	3499	22/10/1999	Linaceae	*Roucheria punctata*	OA	N851	+++
AAO	3499	22/10/1999	Linaceae	*Roucheria punctata*	OA	N852	+++
AAO	3472	27/8/1999	Aquifoliaceae	*Ilex theezans*	FO	N853	++
AAO	3472	27/8/1999	Aquifoliaceae	*Ilex theezans*	FO	N854	++++
AAO	3490	1/10/1999	Hippocrateaceae	*Salacia multiflora*	OA	N855	+++
AAO	3490	1/10/1999	Hippocrateaceae	*Salacia multiflora*	OA	N856	++++
AAO	3488	1/10/1999	Rubiaceae	*Pagamea coriácea*	FO	N857	++
AAO	3488	1/10/1999	Rubiaceae	*Pagamea coriácea*	FO	N858	++
AAO	3525	22/1/2000	Lauraceae	*Licaria cannella*	FO e FR	N859	+++
AAO	3525	22/1/2000	Lauraceae	*Licaria cannella*	FO e FR	N860	+++
AAO	3501	23/10/1999	Leg-Faboideae	*Taralea*	LI	N861	++++
AAO	3501	23/10/1999	Leg-Faboideae	*Taralea*	LI	N862	++
AAO	3478	30/9/1999	Malpighiaceae	*Byrsonima cf. duckeana*	OA	N863	+++
AAO	3478	30/9/1999	Malpighiaceae	*Byrsonima cf. duckeana*	OA	N864	+++
AAO	3483	1/10/1999	Rubiaceae	*Retiniphyllum*	OA	N865	+++
AAO	3483	1/10/1999	Rubiaceae	*Retiniphyllum*	OA	N866	+++
AAO	3465	27/8/1999	Melastomataceae	*Tibouchina*	OA	N867	+++
AAO	3465	27/8/1999	Melastomataceae	*Tibouchina*	OA	N868	++
AAO	3491	1/10/1999	Ebenaceae	*Diospyros cf. guianensis*	CA	N869	+
AAO	3491	1/10/1999	Ebenaceae	*Diospyros cf. guianensis*	CA	N870	+
AAO	3499	22/10/1999	Linaceae	*Roucheria punctata*	CA	N871	+++

AAO	3499	22/10/1999	Linaceae	*Roucheria punctata*	CA	N872	++
AAO	3469	27/8/1999	Malpighiaceae	*Stigmaphyllum arenicola*	OA	N873	+++
AAO	3469	27/8/1999	Malpighiaceae	*Stigmaphyllum arenicola*	OA	N874	++
AAO	3493	22/10/1999	Memecylaceae	*Mouriri duckeana*	OA	N875	+++
AAO	3493	22/10/1999	Memecylaceae	*Mouriri duckeana*	OA	N876	++
AAO	3496	22/10/1999	Violaceae	*Paypayrola*	OA	N877	+++
AAO	3496	22/10/1999	Violaceae	*Paypayrola*	OA	N878	++
AAO	3485	1/10/1999	Sapotaceae		OA	N879	+++
AAO	3485	1/10/1999	Sapotaceae		OA	N880	+++
AAO	3488	1/10/1999	Rubiaceae	*Pagamea coriácea*	CA	N881	++
AAO	3488	1/10/1999	Rubiaceae	*Pagamea coriácea*	CA	N882	+
AAO	3479	30/9/1999	Flacourtiaceae	*Lindackeria paludosa*	OA	N883	++
AAO	3479	30/9/1999	Flacourtiaceae	*Lindackeria paludosa*	OA	N884	++
AAO	3434	30/7/1999	Sapindaceae	*Matayba sp. (sp.2 - Flora Ducke)*	SE	N885	++
AAO	3434	30/7/1999	Sapindaceae	*Matayba sp. (sp.2 - Flora Ducke)*	SE	N886	+
AAO	3480	30/9/1999	Rubiaceae	*Palicourea*	CA	N887	+
AAO	3480	30/9/1999	Rubiaceae	*Palicourea*	CA	N888	+
AAO	3497	22/10/1999	Chrysobalanaceae	*Hirtella rodriguesii*	OA	N889	+++
AAO	3497	22/10/1999	Chrysobalanaceae	*Hirtella rodriguesii*	OA	N890	+++
AAO	3455	26/8/1999	Asteraceae	*Piptocarpha cinérea*	OA	N891	+++
AAO	3455	26/8/1999	Asteraceae	*Piptocarpha cinérea*	OA	N892	+++
AAO	3464	27/8/1999	Asteraceae	*Mikania cf.capricornii*	OA	N893	+
AAO	3464	27/8/1999	Asteraceae	*Mikania cf.capricornii*	OA	N894	++
AAO	3493	22/10/1999	Memecylaceae	*Mouriri duckeana*	CA	N895	+++
AAO	3493	22/10/1999	Memecylaceae	*Mouriri duckeana*	CA	N896	++
AAO	3494	22/10/1999	Rubiaceae	*Psychotria*	OA	N897	++

AAO	3494	22/10/1999	Rubiaceae	*Psychotria*	OA	N898	++
AAO	3504	25/11/1999	Leg-Caesalpinioideae	*Dicorynia cf.paraensis*	FO	N899	+++
AAO	3504	25/11/1999	Leg-Caesalpinioideae	*Dicorynia cf.paraensis*	FO	N900	+++
AAO	3458	26/8/1999	Myrsinaceae	*Rapanea parvifolia*	CA	N901	+++
AAO	3458	26/8/1999	Myrsinaceae	*Rapanea parvifolia*	CA	N902	+++
AAO	3487	1/10/1999	Asteraceae	*Gongylolepis martiana*	CA	N903	++
AAO	3487	1/10/1999	Asteraceae	*Gongylolepis martiana*	CA	N904	+
AAO	3497	22/10/1999	Chrysobalanaceae	*Hirtella rodriguesii*	CA	N905	++
AAO	3497	22/10/1999	Chrysobalanaceae	*Hirtella rodriguesii*	CA	N906	+++
AAO	3512	26/11/1999	Rhizophoraceae		OA	N907	++
AAO	3512	26/11/1999	Rhizophoraceae		OA	N908	++
AAO	3510	25/11/1999	Apocynaceae	*Ambelania acida*	FO	N909	++
AAO	3510	25/11/1999	Apocynaceae	*Ambelania acida*	FO	N910	++
AAO	3513	27/11/1999	Chrysobalanaceae	*Licania lata*	OA	N911	+++
AAO	3513	27/11/1999	Chrysobalanaceae	*Licania lata*	OA	N912	++
AAO	3509	25/11/1999	Annonaceae	*Guatteria cf. meliodora*	OA	N913	++++
AAO	3509	25/11/1999	Annonaceae	*Guatteria cf. meliodora*	OA	N914	++++
AAO	3514	27/11/1999	Leg-Faboideae	*Dalbergia riedelii*	OA	N915	++++
AAO	3514	27/11/1999	Leg-Faboideae	*Dalbergia riedelii*	OA	N916	+++
AAO	3500	22/10/1999	Rubiaceae	*Warszewiczia coccínea*	CA	N917	++
AAO	3500	22/10/1999	Rubiaceae	*Warszewiczia coccínea*	CA	N918	+
AAO	3434	30/7/1999	Sapindaceae	*Matayba sp. (sp.2 - Flora Ducke)*	CA	N919	++++
AAO	3434	30/7/1999	Sapindaceae	*Matayba sp. (sp.2 - Flora Ducke)*	CA	N920	++
AAO	3494	22/10/1999	Rubiaceae	*Psychotria*	RA	N921	+
AAO	3477	30/9/1999	Verbenaceae	*Lantana câmara*	OA	N923	++
AAO	3477	30/9/1999	Verbenaceae	*Lantana câmara*	OA	N924	++

Tabela 2 – Resultados apresentados para análise de extratos vegetais obtidos de plantas amazônicas em cromatografia de camada delgada, usando revelador H_2SO_4 20% (Cx) fase estacionária sílica gel GF 254 e fase móvel X - acetato de etila: ácido fórmico: ácido acético glacial: água (100:11:11:26).

Número do extrato	Cx H2SO4 X 254 (verde)	Cx H2SO4 X 366 (roxa)	Número do extrato	Cx H2SO4 X 254 (verde)	Cx H2SO4 X 366 (roxa)
N23	PAz/PRx/2Paz	RsAz/PBr/RsAz/PAz	**N474**	RVd/PM	RsRo/Pve
N24	PAz/PCz	RsAz/Paz/RsAz	**N475**	PP/	PCz/RsCz
N25	RsM/PVd	-	**N476**	RVd/PCz	PCz/RsRx/PAm
N26	RsM	-	**N477**	PVd/Rbe/PCz	PP/RsCz/PRx/RsRx/PAm
N27	RsM/PVd	PBr	**N478**	Rbe/PCZ	PCz
N28	RsM	-	**N479**	PP	PP
N29	RsM/PP	-	**N480**	PP/PVd	RsL/PVe
N30	RsM	-	**N481**	PP	-
N31	RsM/2PCz/PVd	PRo	**N482**	PVd/RCz/PVd	PCz/RsCz/RsRx
N32	PM	-	**N483**	PP/RCz	PP/RsCz
N33	PM/PVdcl	PRo	**N484**	PCz/PVd	Paz,Raz
N34	PMcl	-	**N485**	PCz/PVd	Raz/PVm
N35	RA/PB/PRx	RVd	**N486**	PCz/PVd	-
N36	PB/PA	Ram	**N487**	PM	PBr/PVM
N37	RM/PVd	Pvd	**N488**	PCZ/PVd	Paz/PBr
N38	PM/RM	-	**N489**	PVd	PM/PVM
N39	RM,PRx/PVd	PM	**N490**	RsP/PCz/RsVd	PM
N40	PM/RM	-	**N491**	PP/RsCz/RsVd/2PP	Paz/RBr
N41	PM/Rbe/RM	RM	**N492**	PCz/RsVd	Paz
N42	RM/Rbe	PCz	**N493**	RsCz/RsVd/PVd	PAz/RsVd/2PAz/PM
N43	PM/PVd	PP	**N494**	PP/RsCz/RsVd	PAz
N44	PM	RsL/PVe	**N495**	PP/RsVd/2PVd	PVd/PAz/PM
N45	PP	menos	**N496**	RsVd/PVd	RsVd/2PVd
N46	PM	menos	**N497**	RsCz/PVd	PCz
N47	RM/PP	PVd	**N498**	PCz/RsVd/PVd	PM/PVd

N48	PP/RM	PM	**N499**	PCz	RsVd/PM/PL
N49	PVd/RCZ/PVd	Raz/PVm	**N500**	PP/RsVd	PAm/RsM/PP/PM/PL
N50	PM/RCz	-	**N501**	RsP/PCz/RsVd	PAz/RsRx/PRx
N51	PM/RVd/RM	PBr/PVM	**N502**	PP/RsCz/RsVd/2PP	RsVd/PAz/PVd/PRx/PVd/PRx/PL/PAm
N52	PM/RCz	Paz/PBr	**N503**	PCz/RsVd	RsVd
N53	PM/RVd	PM/PVM	**N504**	PP/RsVd	RsCz
N54	PM/RCz	PM	**N505**	RsCz/PCz/RsVd	RsVd
N55	PM/RVd/RCz	Paz/RBr	**N506**	PCz	PCz
N56	PM/RVd/PVd	Pm	**N507**	PP/RsVd/PVd	RsVd
N57	PM/PVd	Paz	**N508**	PP/RsCz/RsVd	PVd
N58	PM	Paz	**N509**	PCz/RsCz/PVd/PCz	RsP/PLs
N59	RsCz/3PP	RsCz/RsP/PRs	**N510**	RsCz	PP
N60	2PP/RsCz/2PCz	RsCz	**N511**	RsCz/RsVd/2PVd	RsAz/RsLs/PM/PVe
N61	PCz/RsCz/2PCz	RsCz/PRs	**N512**	PP/RsCz	PBe/RsVd
N62	PCz	PP	**N513**	RsVd/PCz	RsAz/PAz
N63	PCz/RsCz/PP/PCz	PP/RsCz/PBe	**N514**	PBe/RsVd/PCz	PL/PM
N64	PP/RsCz	PP/RsRx/PBr	**N515**	RsVdcl/PCz/PVd	PCz
N65	RsP/PVd	PP/RsP/PBe/PP	**N516**	PBe/RsVdcl	RsBe/2PL
N66	PP/RsVd	PP/RsRx	**N517**	PCz/RsVdcl/PVdcl	RsVd
N67	PP/RsCz/2PVd	PCz/PP/RsCz/RsL/PL/PM	**N518**	NÃO TEM	NÃO TEM
N68	PP/RsCz/PVd	PP/RsRx/2PVd	**N519**	RsP/2PP	RsL/PM/PL
N69	RsCz/2PVd	RsCz/2PM/PBe	**N520**	PCz/RsCz	PCz/RsVd/PAz
N70	RsCz	PP/RsCz/2PVd	**N521**	PP/RsRx/RsVd	RsVd/PL
N71	PP/RsCz/PVd	PP/RsBe/RsRx/PP/PM/PL	**N522**	PP/RsVd/PVd/2PP/2PCz	PM/2PVd
N72	PP/RsVd	PP/RsRx/RsVd	**N523**	PP/PCz/RsVd	PCz
N73	PCz/2PVd	PBe/RsRx/PM	**N524**	PP/RsVd/PVd/2PAz	PCz
N74	PP/RsVd/PVd	RsP/RsRx	**N525**	PP/RsVd	RsVd
N75	2PP/RsVd/PVd	RsM/PBe/PVd/RsLs/RsL/PP/PL	**N526**	PP/RsP/2PP	PAz/RsVd/2PAz/PM

N76	PP	PP/RsCz/PVd/RsRx	**N527**	PP/RsP/RsCz	PAz
N77	2PP/RsVd/PCz	RsP/RsRx/2PLs	**N528**	PCz/RsCz/2PCz/RsCz/2PP	PVd/PAz/PM
N78	2PP/RsVd	PP/RsP/RsRx	**N529**	PCz/RsCz/3PCz	RsVd/2PVd
N79	2PP/RsVd/PCz	RsP/2PL	**N530**	RsP/2PP	RsVd/PL
N80	2PP/RsVd	RsP/PRx	**N531**	PCz/RsCz	PM/2PVd
N81	PAz/PCz/RsCz/PAz/RsCz/2PCz	PCz/PAz/PVd/RsRx/PBe	**N532**	PP/RsCz/PCz/PVd/3PAz	PCz
N82	Paz	PP/RsRx	**N533**	PP/RsCz	PCz
N83	PP/RsVd/2PVd/2PCz	RsP/RsCz/PBe	**N534**	PP/RsCz/PP	RsRx/PBr
N84	RsP/RsVd/PVd	RsP/PBr	**N535**	PCz/RsCz	RsVd/RsAz/PL
N85	PP/RsVd/2PCz	RsP/PM	**N536**	PCz/RsCz/PCz/PP	PCz/RsVd/PAz/PBr/PRx
N86	PP/RsVd/2PVd/RsVd	RsP/RsRx/PBe	**N537**	RsCz	PBe/PVd/PRx/PAz/PCz/PL/PRx
N87	PCz/RsVd/PAz/RsVd/2PVd	PCz/2PVd/RsCz/PBe	**N538**	RsCz/PVd/RsVd/PP	PCz
N88	PCz/Paz	PCz/2PVd/RsCz/2PVd	**N539**	PP/RsCz/RsVd	RsVd
N89	2PP/RsVd/PVd	RsP/PM	**N540**	PCz/RsCz/RsVd/2PVd	PCz
N90	PP/PCz/RsVd	RsP/RsRx	**N541**	PCz/RsCz/RsVd	PP
N91	2PCz/RsVd/PVd	PCz/PP/RsCz/RsBe/PM	**N542**	RsCz/2PCz/2PVd	RsL/PVe
N92	PP/RsVd	PP/RsCz/PBe	**N543**	PCz	-
N93	2PP/RsVd/PVd	PCz/PP/RsCz/PAz/PM/PL	**N544**	PCz/RsCz/PVd	-
N94	PP/RsVd/Paz	PCz/RsRx/PRx	**N545**	PCz/RsCz	PVd
N95	3PVd	PBe/PM/PBe	**N546**	RA/PB/PRx	PM
N96	PCz/RsVd	PCz/RsCz	**N547**	RsCz/RsVd	Raz/PVm
N97	RsVd/PVd	RsCz/PCz/RsCz/PL/PBr/PP	**N548**	RsCz/RsVd/PVd	-
N98	PCz/RsVd	PCz/RsCz	**N549**	RsVd/PVd	PBr/PVM
N99	PCz/RsVd/PVd	PCz/RsRx/Pam	**N550**	PCz	Paz/PBr
N100	PCz/RsVd/PVd	PP/RsCz/PRx/RsRx/PAm	**N551**	RsCz/RsVd	PM/PVM
N101	2PCz/RsVd/PVd/RsCz/PCz	RsP/PP/RsCz/PP/PM	**N552**	PP/RsCz/RsVd	PM
N102	PCz/RsVd/PCz	PP/RsCz/PP	**N553**	PP/RsCz/RsVd/PVd	Paz/RBr
N103	PCz/RsVd/PVd	RsCz/2PAz/RsCz/PP	**N554**	PP/PCz/RsVd	Pm
N104	PP/RsVd/2PCz	PP/RsCz	**N555**	RsCz/Paz	Paz

N105	PP/RsVd/PVd	RsP/PP/PAz/PBe	**N556**	PP/PCz	Paz
N106	PP/RsVd	RsP/Paz	**N557**	PP/RsVd/PVd	RsCz/RsP/PRs
N107	RsCz/PVd	RsM/PP/PL	**N558**	PP/RsVd	PM/PP/PM/PL
N108	RsCz	RsCz/RsRx/PVd	**N559**	PVd/RCz/PVd	PAz/RsRx/PL/PRx
N109	RsCz/PVd	RsCz/PBe/RsCz/PP/PBe	**N560**	PP/RCz	PAm/RsM/PP/PM/PL
N110	PVd/RsCz	PP/RsCz	**N561**	PCz/PVd	PAz/RsRx/PRx
N111	RsP/RsVd/PCz	RsP/RsRx/PM	**N562**	PCz/PVd	RsAz/RsRx/PRx/PAz
N112	RsP/RsVd	RsP/Paz	**N563**	PCz/PVd	PBe/PM
N113	PAz/RsCz/PVd/PAz/2PVd	RsP/RsVd/PBe/PP/PM/2PL	**N564**	PM	RsVd
N114	PVd/RsCz/2Paz	RsCz/PBe	**N565**	PCZ/PVd	RsCz
N115	RsCz/RsVd/3PVd	RsCz/PM/2PL	**N566**	PP/RsRx/RsVd	RsVd
N116	PP/RsCz/RsVd	PP/RsCz/RsRx	**N567**	RsVd	PCz/RsCz
N117	RsCz/RsVd/2PVd	PP/RsP/RsRx/PL/PCz/PM	**N568**	RA/PB/PRx	PCz/RsRx/PAm
N118	RsP/RsCz/RsVd/2PVd	RsP/RsRx	**N569**	PB/PA	PP/RsCz/PRx/RsRx/PAm
N119	PCz/RsCz/PVd	RsCz/PRx/RsBe/PP/PM/2PBe	**N570**	RM/PVd	RsP/PP/RsCz/PP/PM
N120	PP/PCz/RsCz/PCz	PP/RsCz/PRx/PVd	**N571**	PM/RM	PP/RsCz/PP
N121	RsCz/PCz	RsM/PP/RsRx/PBe	**N572**	RM,PRx/PVd	RsCz/2PAz/RsCz/PP
N122	PCz	PP/2PBe	**N573**	PM/RM	PM/PP/PM/PL
N123	RsVd/RsCz/PCz	RsP/RsRx/PBe	**N574**	PP/RCz	PAz/RsRx/PL/PRx
N124	PP/RsVd	PP/RsCz	**N575**	RsVd	PAm/RsM/PP/PM/PL
N125	RsCz/PVd/PCz	RsCz/2PRx/PVd/PAz/PM/PL	**N576**	PP/RsRx/RsVd	PAz/RsRx/PRx
N126	PCz/RsVd	PP/RsCz/PVd	**N577**	RsVd	RsVd/PAz/PVd/PRx/PVd/PRx/PL/PAm
N127	RsCz/PAz/PVd/2PCz	RsCz/PBe/PRx/PCz/PBr/PBe	**N578**	PP/RCz	RsVd/RsRx/PRx
N128	RsAz/PAz/PVd	PP/RsCz/PVd/PRx/2PVd	**N579**	RsP/PP	PL/RsVd/PAz/RsVd/PRx/PM/PL
N129	PVd/RsVd/PVd	RsCz/PBr/PL	**N580**	RsVd	PVd/3PAz
N130	PCz/RsCz	RsP/RsRx	**N581**	RsP/PVd	2PM
N131	RM,PVd	3PVd	**N582**	PP/RsP/RsCz	RsVd
N132	RVd,PVd	PAz/PLs	**N583**	PP/RsCz/PAz/RsVd/2PP	RsCz

N133	PM,RVd,PVd	RsAz/PVd/PP/Paz/2PM/PL	**N584**	RsCz/Paz	RsVd
N134	PM,RVd	RsRx/RsP	**N585**	PP/RsCz/RsVd	RsBe/2PL
N135	PM,RVd,PVd	RsP/Paz	**N586**	PP/RsVd	RsVd
N136	PM,RVd	RsAz	**N587**	PCz/RsVd/4PCz	RsCz/PP/PL
N137	RM,RVd,PM	RsP/RsVd/3PAz	**N588**	PP/PCz/RsVd	PCz
N138	PM,RCz	PVd/RsAz	**N589**	PCz/RsCz/RsVd/PP	PM/PVd
N139	RCz,PVd	RsP/PRx/PLs/PAz	**N590**	PP	RsVd/PM/PL
N140	PVd,RCz	PL/RsVd/RsRx/PVd	**N591**	PP/RsVd/2PCz/PP	PCz/PAz
N141	PM,RCz,PVd	RsVd	**N592**	PCz/RsVd/PVd	PCz/PBe/PP
N142	RVd,RCz	RsVd/PP	**N593**	RsCz/RsVd/2PCz	PCz/2PBe
N143	PAz/PRx/2Paz	PP	**N594**	PP	RsBe/2PM
N144	PM,RVd,PVd	RsAz/RsLs/PM/PVe	**N595**	RsCz/RsVd/PP	RsVd/PRx
N145	RsVd/PVd	PVd/RsRx/PAz	**N596**	RsP	RsL/PM/PL
N146	RVd/PCz	2PM/RsP/PAz/PP	**N597**	RsCz/RsVd/PP	PCz/RsVd/PAz
N147	PVd/RsAz/PVd/RsCz/PCz	RsRx/PRx	**N598**	PP/PVd	RsVd/PL
N148	PCz,RsM	RsCz/RsP/PRs	**N599**	PP/RsVd	PM/2PVd
N149	RsCz,Paz	RsCz	**N600**	RsP/PCz/RsVd	PCz
N150	PAz/PCz	RsCz/PRs	**N601**	PP/RsCz/RsVd/2PP	PCz
N151	RsCz,PM,2PCz	PP	**N602**	PCz/RsVd	RsVd
N152	PCz	PP/RsCz/PBe	**N603**	RsCz/RsVd/PVd	RsL/PM/PL
N153	PM,RsCz,2PM,PCz	PL/PAz/PRx/RsRx/PBr/PL/2PRx	**N604**	PP/RsCz/RsVd	PM/RsAz/RsRx
N154	PCz/RsVd/2PCz	PVd/RsVd/PL	**N605**	PP/PVd	RsL/PM/PL
N155	PCz/PP	PM/2PBr/PAm/PL/PAz	**N606**	RsCz/PCz/PP	PRx
N156	RsCz/RsVd/2PCz	PVd/PAz/PVd/PAz/PRx	**N607**	PP/RsVd	RsAz
N157	PP/RsCz	RsBe/PL	**N608**	PP/RsCz/PP/RsVd/PP	PL/PAz/PVe
N158	não tem	não tem	**N609**	PP/PVd	PAz/RsAz
N159	PM,RVd	PBe/RsRx/RsCz/PAz	**N610**	RsCz/RsVd/2PP	PL/RsAz/PBr
N160	PCz	PBr	**N611**	PP/PCz	PBr/RsAz/PAz
N161	RsCZ/RsVd/2PVd	RsVd	**N612**	PCz/RsVd	PP/RsAz

N162	PCz/RsVd	RsAz/PRx/PBe	**N613**	PP/RsAm/RsVd	RsP/PVe
N163	PP/RsVd	RsM/PBr	**N614**	RsP/RsVd/2PVd/PCz	PP
N164	PP/RsVd/PVd	PL/PAz/PRx/RsRx	**N615**	PP/RsCz/PCz	PBe
N165	PCz/RsVd/PP	RsVd	**N616**	PP/RsCz	RsVd/PRx
N166	PCz/RsVd	RsRx/PAz/PCz	**N617**	PP/RsCz	RsRx/PBr
N167	RsCz/2PCz/2PP	PL/2PCz/PL	**N618**	PP/RsCz	-
N168	RsCz	2PVdcl/PCz/PBr	**N619**	PP/RsRx/RsVd/PVd	RsRx/PRx/RsAz/PBr/PL
N169	RsCz/2PCz	PRx/PVdcl/2PBr	**N620**	PP/RsRx/RsVd	RsRx/2PRx
N170	RsCz	RsAz/PRx/PL/PBr	**N621**	PP/RsCz/PVd	RsBe/PBr
N171	RsP/RsVd/2PP	RsL/PP	**N622**	PVd/PRx/RsVd	PVd/2PRx
N172	RsCz	PBr	**N623**	PP/RsCz/RsVd/PVd	RsL/PL
N173	RsCz/RsVd	RsM/PAz/2PRx/3PBr	**N624**	PP/RsCz/RsVd	RsVd/2PRx
N174	PP	PM/PAzcl/PCz	**N625**	PP/RsCz/RsVd/PVd	RsBe/PM
N175	RsP/RsVd/3PCz	PL/RsVd/PRx/RsL/PBr/PL	**N626**	PP/RsCz	PBe
N176	RsCz	RsVd/PRx/PVd/2PRx/PL	**N627**	PP/RsCz/RsVd/PVd	PM/RsL/PL
N177	RsCz/2PP	PL/RsL/PBr/PVd/2PRx/PL	**N628**	RsCz/RsVd	PRx
N178	PP/RsVd	RsVd/2PRx	**N629**	RsCz/RsVd/PVd	RsRx/PAz/RsL/PP/2PRx/2PL
N179	PP/RsCz/2PP	PBe/PRx/2PL	**N630**	PCz/RsVd	RsVd/PRx
N180	PP/RsCz	PBe/PVd/PCz/PBr	**N631**	RsCz/PRx/PCz/PBe/PAz/PCz/PAm	RsBe/PVd/RsBe/PAm/RsVd/PVd/PBr/2PAm
N181	PP/RsVd/2PCz	PCz/3PRx	**N632**	RsCz/PRx/RsVd	PVd/RsRx/PVd/PBr
N182	RsP/RsVd	PM/PRx	**N633**	RsCz/3PVd	PL/PRx/RsL/PCz/RsL/2PL
N183	RsP/RsVd/PCz/2PP/PCz	RsL/PRx/PM/PL	**N634**	RsCz/RsVd	RsVd/PBe
N184	PP	PVd/RsVd/PRx/PM/PRx/PBr	**N635**	RsCz/RsVd/PVd	PL/PRx/PVd/PRx/RsAz/PBr/PL
N185	RsP/RsVd/2PVd	RsL/RsM/2PL	**N636**	PP/RsVd	PVd/PRx/PVd/PRx
N186	RsP/RsVd	RsM/PBr	**N637**	RsCz/PCz/RsVd	PCz/PVd/PRx/RsRx/PL
N187	RsP/PCz/RsVd/PCz	PL/PAz/PRx/PM/RsVd/PL	**N638**	PCz	PAz
N188	PP	RsVd	**N639**	PP/RsVd/PVd	RsL/PCz/PL/PP/PM/PL
N189	RsCz/Paz/RsVd/2PVd	PL/PAz/PRx/RsRx/PBr/PL/2PRx	**N640**	PP/RsCz/RsVd	RsAz

N190	PP	RsVd/PRx/RsVd/PBr	**N641**	PP/RsCz/RsVd/PVd	PM/PBr
N191	RsP/RsCz/PP	PM/PL	**N642**	RsCz/RsVd	-
N192	PP/RsCz	PVd/RsVd/PL	**N643**	RsCz/RsVd/PVd	RsL/PRx/RsL/PM/2PL
N193	RsP/RsCz/PCz	PM/2PBr/PAm/PL/PAz	**N644**	RsCz/RsVd	RsVd/PRx/PL/PVd/PRx
N194	PP	PVd/PAz/PVd/PAz/PRx	**N645**	RsCz/PAz/PVd	RsAz/PBr/PVd/PRx/2PBr/PLs
N195	PP/RsVd/PP	RsBe/PL	**N646**	PP/RsCz	3PRx/PVd/PRx
N196	PP/RsCz/RsVd	RsVd/PBe/RsVd/PBr	**N647**	PP/RsCz/RsVd/2PVd	RsBe/PRx/RsL/PL
N197	PP/PCz	RsRx/PBr	**N648**	PRx/RsCz/RsVd	PVd/RsVd/2PL
N198	PP	RsRx/PRx	**N649**	RsCz/RsVd/PP	RsL/PM/2PL
N199	PP/RsVd/PCz	RsM/RsVd/PVd/PBr/PAz	**N650**	RsCz	RsVd/2PRx
N200	PP/RsVd	PBr	**N651**	RsCz/RsVd/2PP	RsL/2PM/2PL
N201	PP/PVd/2PP	RsBe/PAz/PM/PCz/PM/2PAz	**N652**	PP/PCz	RsVd
N202	-	-	**N653**	PCz/RsVd	RsCz/PP/PL
N203	PP/RsCz/2PP	RsVd/PAz/PBe/PL	**N654**	PP/RsAm/RsVd	PCz
N204	PP/RsCz	Pbe/PRx/PCz/PL	**N655**	PVd/PRx/RsVd	PM/PVd
N205	PP/RsCZ/2PCz	PL/RsVd/PVd/PL	**N656**	PP/RsVd/PVd	RsVd/PM/PL
N206	PP/RsCz	PBr	**N657**	PM/RsCz	RsVd/PL
N207	PP/RsCz/PP	RsL/PAz/RsL/PL	**N658**	PM/RsCz/PVd	RsVd,RsRx,RsVd
N208	PP/RsCz	RsVd/Paz/PRx/PL	**N659**	PBe/RsCz	RsVd,RsM,RsAm,PVm
N209	PP/RsCz/PP	RsL/RsCz/PBr/PP/PL	**N660**	PP/RsCz/PVd/RsCz/PRx	Pvd,RsAz
N210	PP/RsP/PCz	RsVd/RsP/PP/PBr	**N661**	PP	RsCz,Pvd,Paz,PVm
N211	PP/PCz/PP	RsL/RsAz/PVd/PRx/PL/PBr	**N662**	RsCz/RsP/PRx/PM/PVd	RsAz,PRx
N212	PP/PCz	RsBe/PVd/PRx/PBr	**N663**	PM/RsCz	RsVd,PL
N213	2PP	RsL/PAz/RsVd/PL	**N664**	PP/RsCz/RsVd/PP/PVd	RsVd
N214	PP	RsAz	**N665**	PP/PCz/RsVd/PVd	RsAz,PRx,PVm
N215	RsL/RsCz	Rbe,PVd	**N666**	PCz	Paz,RsAz,RsCz,PRx
N216	RsBe/PVd	RM	**N667**	PP	RsVd,Paz,PVm
N217	RsAz	PP,RM	**N668**	Pvd,Rsvd	RsVd,Paz
N218	PCz/RsVd/PCz	PP,Rx,PVd	**N669**	Pvd	PM,RsCz,Paz

N219	PCz/RsVd	Rbe,PVd	**N670**	RsCz	RsAz,RsVd
N220	2PVd	PM/RsL/PL	**N671**	PP/RsCz/PCz	RsM,RSL,PVm
N221	PCz	PRx	**N672**	RsP/PP	PVd,RsAz,RsVd
N222	PCz/RsVd/PP	RsRx/PAz/RsL/PP/2PRx/2PL	**N673**	RsCz/PP	RsM,RsRX,PL,PAZ,PL
N223	PCz/RsVd/PP	RsVd/PRx	**N674**	RsVd/PVd	Pvd
N224	PM,PCz,PRs	RsBe/PVd/RsBe/PAm/RsVd/PVd/PBr/2PAm	**N675**	PCz	RsM,RsVd
N225	PM,RCz,Rm	PVd/RsRx/PVd/PBr	**N676**	PVd/PRx/RsVd	Paz
N226	Pm,Rbe	PL/PRx/RsL/PCz/RsL/2PL	**N677**	PP/RsVd/PVd	PVd/3PAz
N227	PM	RsVd/PBe	**N678**	PCz/RsCz	2PM
N228	Pm,RCz,PVd,RCz,Pm	PL/PRx/PVd/PRx/RsAz/PBr/PL	**N679**	PCz/RsVd/PCz	RsVd
N229	PM,RCz	PVd/PRx/PVd/PRx	**N680**	PCz	RsCz
N230	PCz	PCz/PVd/PRx/RsRx/PL	**N681**	PCz/RsCz/PVd	RsVd/2PBr
N231	RsCz/PCz	Paz	**N682**	PCz/RsCz	PL/RsRx/PRx/PL/2PM
N232	PP/RsCz	RsL/PCz/PL/PP/PM/PL	**N683**	RA/PB/PRx	RsVd/PAz
N233	PP/RsCz/PM	RsAz	**N684**	RsCz/RsVd	PVd/PBe/RsVd/PL
N234	PCz	PM/PBr	**N685**	RsCz/RsVd/PVd	PBe/RsVd
N235	PP,PCz,RsBe	-	**N686**	RsVd/PVd	RsAz/PAz
N236	PP/PCz/RsVd	RsL/PRx/RsL/PM/2PL	**N687**	PCz	PL/PM
N237	PP/RsVd/PVd/2Paz	RsVd/PRx/PL/PVd/PRx	**N688**	RsCz/RsVd	PCz
N238	PP/RsVd	RsAz/PBr/PVd/PRx/2PBr/PLs	**N689**	PP/RsCz/RsVd	RsBe/2PL
N239	RsM/2PCz/PVd	3PRx/PVd/PRx	**N690**	PP/RsCz/RsVd/PVd	RsVd
N240	PM	RsBe/PRx/RsL/PL	**N691**	PP/PCz/RsVd	RsCz/PP/PL
N241	PM/PVdcl	PVd/RsVd/2PL	**N692**	PP/RsCz/PP/PVd	PCz
N242	PMcl	RsL/PM/2PL	**N693**	PP/RsCz/PVd	PM/PVd
N243	RCZ,PM,2PVd	RsVd/2PRx	**N694**	RsP/RsVd/PVd	RsVd/PM/PL
N244	PM	RsL/2PM/2PL	**N695**	PP/RsP/RsCz	RsVd/PL
N245	RsCz/2PCz/PVd	RsM/PVd/2PL/PRx	**N696**	RsCz/RsVd/PVd	PM/2PVd
N246	PP/RsCz/PCz/RsVd	PRx/PVd/2PBr	**N697**	PVd	PCz
N247	PCz/RsVd	2PM/2PAz/PRx/PBe/RsRx/3PVd/PRx	**N698**	2PCz	PCz

N248	PP	RsAz	**N699**	RsVd/2PVd	RsVd
N249	RsCz/RsVd/PCz/PP/PVd	RsVd	**N700**	PM/RM	RsVd/PBe
N250	PP/RsCz	RsVd/PP	**N701**	RM,PRx/PVd	3PRx/PVd/PRx
N251	PCz/PP/PVd	PVd	**N702**	PM/RM	RsBe/PRx/RsL/PL
N252	PP/RsP/RsCz	RsRx	**N703**	PM/Rbe/RM	PVd/RsVd/2PL
N253	PP/RsCz/2PCz/PP	PRx/PVd	**N704**	RM/Rbe	RsL/PM/2PL
N254	PP/RsCz	PRx/RsVd	**N705**	PM/PVd	RsVd/2PRx
N255	RsP/PP/RsCz/PP	RsVd/2PRx/PVd/PP	**N706**	PM	RsL/2PM/2PL
N256	PP/RsCz	RsVd/PRx/PVd/PRx	**N707**	RsP/PCz/RsVd	-
N257	PP/RsCz/3PP	RsVd/3PVd/2PP/PM	**N708**	PP/RsCz/RsVd/2PP	2PAz/3PBe/PM
N258	PP/RsCz	PRx/PVd/PRx/PVd/PRx	**N709**	PCz/RsVd	PCz/PAz
N259	PP/RsCz/PVd/3PCz	PVd/RsAz/2PVd/PAz/RsVd/2PBe	**N710**	RsVd	PCz/PBe/PP
N260	PP	PAz/RsRx/PVd	**N711**	RsP/PVd	PCz/2PBe
N261	PP/RsCz/RsVd/PCz	RsP	**N712**	PP/RsP/RsCz	RsBe/2PM
N262	PP/RsCz	RsRx/RsVd	**N713**	PP/RsCz/PAz/RsVd/2PP	RsVd
N263	PP/RsCz/2PCz	RsM/PRx/3PVd	**N714**	RsCz/Paz	2PVd
N264	PP/RsCz	2PAz/PRx	**N715**	PP/PCz	PP/2PL/PVd
N265	PP/RsCz/2PCz	2PP/4PVd	**N716**	PP/RsVd/PVd	PCz
N266	PP/RsVd	PP/PRx/PVd	**N717**	PP/RsVd	RsVd
N267	PP/RsCz/PP	RsVd/PVd/RsVd/PAm/PRx/PVd/PAz	**N718**	PP/RsVd/PVd	RsBe/PL
N268	PP/RsCz	2PVd/RsVd/RsRx/2PRx	**N719**	PCz/RsVd	RsRx/PBr
N269	PP/RsVd/PP	PL/RsVd/RsRx/PVd	**N720**	RsCz	RsVd/RsRx/PRx/PL
N270	PP/RsCz	RsVd	**N721**	RsVd/PVd	PCz
N271	PP/RsCz/PP	RsVd/PP	**N722**	PVd/RsVd	PCz
N272	PP/RsCz/RsVd	PCz/RsVd/2PVd	**N723**	RsVd/PCz/PP	RsVd
N273	PP/RsCz/RsVd/PP	PL/PVd/RsVd/PL/RsVd/PLs/PP/2PRx	**N724**	PP/RsCz/PCz	RsAz/PAz
N274	PP	PVd/RsVd	**N725**	RsCz/PCz	PL
N275	PP/RsVd/PP	RsVd/PCz	**N726**	RsCz	PCz
N276	PP/RsVd	-	**N727**	RsCz/PCz	RsAz/PAz/PAm

N277	PP/PCz/RsVd/PVd/RsVd/PVd	RsRx/PP/RsRx/2PBr/PP	**N728**	PP/RsCz/PCz	RsAz/PRx
N278	PP/PVd	PAz/PP/PAz/RsVd	**N729**	RsP/RsVd/PCz/RsVd/PCz	RsBe/PL
N279	PP/PVd	PL/RsRx/PLs/PM/PL	**N730**	PP/RsCz	RsVd
N280	PP/PCz/RsVd	PCz/PAz/PRx/PVd/RsP/4PRx	**N731**	RsCz/RsVd/2PCz	RsRx/PLs/PAz/PL
N281	PP/PVd/RsVd/PVd	RsVd/PRx/PVd/PAz/RsVd/PBr/PM/PL/2PRx	**N732**	PP	RsAz/PRx
N282	PP	PCz/RsRx/PRx	**N733**	RsCz/RsVd/PP	RsL/PM/PL
N283	PP/PVd	RsVd/2PRx/RsRx/2PM/PRx/PL	**N734**	RsP	RsVd/2PRx
N284	NÃO TEM	NÃO TEM	**N735**	RsCz/RsVd/PP	PBe/RsBr/RsL/PM/PL
N285	PP/PCz/RsVd/PVd	PL/RsAz/PVd/PAz/PVd/PRx/PAz/PVd/2PLs	**N736**	RsCz/2PCz	RsAz/PVd/PAz/PVd/PAz/PBe
N286	PP	RsVd/PBe/PRx	**N737**	RsCz/PCz/2PP	PBe/RsBe/PRx/RsM/2PL
N287	PP/RsVd/2PVd	PBe/RsVd/RsL/2PP/PL	**N738**	PP/RsCz	RsRx/RsCz/PRx
N288	PCz	PAz/RsRx	**N739**	PP/RsCz/RsVd/2PP	PBe/PVd/RsVd/2PL
N289	PP/RsVd/4PVd	PP/PRx/PVd/PRx/PP/PAz/RsP/2PM/PAz/PP	**N740**	RsCz/4PCz	RsVd/Paz/PP/PAz/RsRx/2PLs
N290	PP/RsVd/PVd	Paz/PVd/PRx/PP/PRx/PVd/RsP/PRx	**N741**	RsCz/PP	PBe/RsVd/2PBr/PP/PL
N291	PP/RsCz/2PVd	RsVd/PP/PVd/RsRx/2PM/2PL	**N742**	RsCz	PAz/RsRx/PBr
N292	PP/PCz/RsVd	PVd/RsVd/PP/RsRx	**N743**	RsCz/RsVd/PP	RsBe/PL
N293	PP/RsVd/2PP	RsM/2PLs/2PP/2PLs/2PBe/PRx	**N744**	RsCz	RsRx/PBr
N294	PP/RsVd	PVd/RsAz/2PVd/RsRx/2PLs	**N745**	RsCz/2PVd	RsVd/RsAz/PL
N295	PCz/RsVd/PVd	RsVd/PAz/RsRx/RsM/2PAz/PBe	**N746**	PP/RsCz	PCz/RsVd/PAz/PBr/PRx
N296	PP	PCz/RsVd/PVd/PRx/Pbe	**N747**	PP/RsCz/RsVd/3PCz/PVd	PBe/PVd/PRx/PAz/PCz/PL/PRx
N297	PP/RsVd/2PCz	RsM/PVd/2PL/PRx	**N748**	PP/RsCz	RsVd/PVd/RsRx/PRX/PP/2PRx
N298	PP/RsVd	PRx/PVd/2PBr	**N749**	PP/RsCz/PP	RsBe/PBr/PM/PL
N299	PP/PVd/PAz/RsVd/PAz/PCz	2PM/2PAz/PRx/PBe/RsRx/3PVd/PRx	**N750**	PCz/RsCz	RsVd/RsRx/PRx/PL
N300	PP	PCz/RsAz/2PBe/RsVd/PRx	**N751**	PCz/RsCz/PCz/PP	RsVd/RsRx/RsBe/PVd/PBe/PM/PL
N301	2PP/RsCz/2PVd/RsVd/PP	PVd/RsRx/PP/PBe/PP/PRx/2PM	**N752**	RsCz	RsAz/PAm
N302	PP/2PVd	RsRx/2PP/PRx/RsVd/2PRx	**N753**	RsCz/PVd/RsVd/PP	RsVd/PAz/PM/PL
N303	2PP/RsCz/PVd/2PCz	PM/RsVd/RsRx/2PAz	**N754**	PP/RsCz/RsVd	PM/RsVd/Paz/RsVd/PLs
N304	PCz/PVd	PBe/RsVd/PAz	**N755**	PCz/RsCz/RsVd/2PVd	2PVd

N305	2PP/RsCz/2PVd/PP/PVd	PL/PRx/PAz/PAm/PRx/PVe/RsRx/PP/PM/2PL	**N756**	PCz/RsCz/RsVd	RsRx/PVd/PBr
N306	PP	PVd/2PAz/PL/RsRx/PBe	**N757**	RsCz/2PCz/2PVd	RsBe/PAz/PBr
N307	PP/PVd	PBe/RsM/Paz/PVd/PRx/RsRx/PLs/PP/2PRx/PVe	**N758**	PCz/RsCz/RsVd/4PVd	Pbe/RsVd/Paz/2PLs
N308	PP	PVd/RsAz/PVd/RsVd/PRx	**N759**	RsP/RsVd/PVd	RsM/3PAm/PLs/2PVdcl/PL
N309	PP/RsVd/PVd/2PP/2PCz	3PVd/PRx/RsP/PCz/PRx	**N760**	RsCz	RsRx/2PAz
N310	PP/PCz/RsVd	PCz/RsAz/PBe/RsVd/PRx	**N761**	PP/RsCz/PP	RsVd/RsM/2PBr
N311	PP/RsVd/PVd/2Paz	PP/RsRx/PRx/RsRx/3PVd/2PRx	**N762**	RsCz	RsRx/PRx
N312	PP/RsVd	PP/RsP/PRx	**N763**	PP/RsCz/RsVd/PP	PL/RsVd/RsBe/PBr/PM/2PL/PBr
N313	PP/RsP/2PP	RsP/PBr/2PCz	**N764**	RsCz/RsVd	RsAz
N314	PP/RsP/RsCz	PVd	**N765**	RsP/RsCz/RsVd/PAz/PBr	RsP/RsRx/PAz
N315	PCz/RsCz/2PCz/RsCz/2PP	RsVd/PBr/RsVd/PBr/2PP	**N766**	RsP/RsVd	RsP/3PRx
N316	PCz/RsCz/3PCz	RsVd	**N767**	RsP/RsCz/RsVd/PVd	RsP/RsRx/2PRx/PM/PL/PBr
N317	RsP/2PP	2PP/RsRx/PVd/2PCz/PVd	**N768**	RsP/PCz/RsVd	RsVd/2PBr
N318	PCz/RsCz	PCz/PVd/RsVd	**N769**	PP/RsCz/RsVd/2PP	PL/RsRx/PRx/PL/2PM
N319	PP/RsCz/PCz/PVd/3Paz	PCz/RsVd/2PBr/2PVd	**N770**	PCz/RsVd	RsVd/PAz
N320	PP/RsCz	PCz/RsVd/5PVd	**N771**	RsCz/RsVd/PVd	PVd/PBe/RsVd/PL
N321	NÃO TEM	NÃO TEM	**N772**	PP/RsCz/RsVd	PBe/RsVd
N322	PP/RsVd	PP/RsRx	**N773**	PP/RsVd/PP	RsM/RsVd/2PAz/PL
N323	2PVd/RsVd/PVd	3PVd/2PLs	**N774**	PP	PAz/RsVd
N324	RsVd	PVd/RsRX/PVd	**N775**	PP/RsVd/PVd	PM/2PRs
N325	2PP/RsVd/PCz/PVd	2PVd/PRx/PLs	**N776**	PCz	PRx/PVd
N326	PAz/PCz/RsVd	PAz/PBe/RsP/PBe	**N777**	2PP/RsCz/2PP	2PM/RsVd/2PAm/PRx/RsAz/2PRx
N327	PAz/PCz/RsVd/PVd	RsAz/PP/RsAz/PM/2PAz/PLs	**N778**	PCz	RsAz/RsVd
N328	PCz/RsVd	PVd/RsVd/RsAz/2PAz	**N779**	PP/RsVd/PP	RsBe/PM/RsVd/RsRx/RsL/PL
N329	PAz/RsVd/3PVd	RsRx/3PVd/PAz/PVd/PM/2PL	**N780**	PP/RsVd	PBe/RsVd/PCz/RsVd
N330	PCz/PAz/RsVd/3PVd	RsAz/PVd/PRx/3PVd/2PL	**N781**	PCz/RsVd/4PCz	RsAz/RsVd/PRx/PVd/PL
N331	PCz/RsVd/2PVd	2PM/RsM/RsP/2PM/PL	**N782**	PP/PCz/RsVd	RsVd/PVd/PRx
N332	PCz/RsVd/PVd	2PVd/2PRx/RsP/PAz	**N783**	PCz/RsCz/RsVd/PP	RsAz/PVd/Aaz/PBe/PAz/PVd/PM/PAm/PL

N333	PCz/RsVd/2PVd	PL/PAz/2PVd/PAz/2PL	**N784**	PP	RsVd
N334	PCz/RsVd/PVd	PCz/RsVd/3PAz	**N785**	PP/RsVd/2PCz/PP	PM/PP/PM/PL
N335	PCz/PVd/RsCz/PVd	2PM/RsBe/PM	**N786**	PCz/RsVd/PVd	PAz/RsRx/PL/PRx
N336	PCz/RsVd	RsVd/PAz/PBe/RsVd/2PVd	**N787**	PCz/RsVd/PP	PAm/RsM/PP/PM/PL
N337	RsVd/PVd	RsM/PVd/RsRx/RsLs	**N788**	PCz	PAz/RsRx/PRx
N338	PP/RsCz/PCz	RsVd	**N789**	PCz/RsVd/2PCz	RsVd/PAz/PVd/PRx/PVd/PRx/PL/PAm
N339	PP/RsCz/PVd	RsAz/PVd/RsRx/PVd	**N790**	PCz/RsVd	RsVd/RsRx/PRx
N340	PCz/RsCz/PCz	PVd/RsAz/PVd/RsRx	**N791**	PP/RsVd/PP	PL/RsVd/PAz/RsVd/PRx/PM/PL
N341	PP/RsCz/RsVd/PCz	Paz	**N792**	PCz/RsVd	PVd/RsAz/PVd/RsRx/RsVd/PRx
N342	2PP/RsCz/PCz	PP/PAz/PRx	**N793**	PCz/RsVd/PCz/PP	PL/PRx/RsVd/PAz/RsBe/PBr/2PM/PL
N343	PP/RsCz/RsVd/2PCz	RsM/PM	**N794**	RsCz/RsVd/PVd	RsVd/2PRx/PL
N344	PP	RsRx/PRx	**N795**	PRx/RsVd/PVd/RsVd/PVd/2PAz	RsBr/RsLs/PP/PBr/PL
N345	2PP/RsVd/PCz	RsM/PAz/PVd/PM	**N796**	PCz/RsVd/2PVd/PAz	RsAz/RsRx/PRx/PAz
N346	PCz	PAz/RsAz/PAz/RsRx/PAz	**N797**	PP/RsVd/PP/PVd	PBe/PM
N347	2PP/2PVd	3PVd	**N798**	PP/PVd	RsVd
N348	2PP	PAz/PLs	**N799**	RsCz/PCz/PP	RsVd/PVd/PP/PBr/PBe
N349	2PP/4PVd	RsAz/PVd/PP/Paz/2PM/PL	**N800**	PP/RsVd	RsVd/2PAz
N350	PP/RsVd	RsRx/RsP	**N801**	PP/RsCz/PP/RsVd/PP	PVd/PRx/RsM/PAm/PM/PL/PRx
N351	PP/RsCz/RsVd	RsP/Paz	**N802**	PP/PVd	RsM/PRx
N352	PCz/RsVd	RsAz	**N803**	PP/RsVd/PP	PM/RsBe/RsVd/PVd/PM
N353	2PP/RsVd/2PCz	RsP/RsVd/3PAz	**N804**	PCz	RsAz/PRx/3PAz
N354	PCz	PVd/RsAz	**N805**	PP/RsCz/RsVd/2PP	PRx/2PM
N355	RsP/RsVd/PCz	RsP/PRx/PLs/PAz	**N806**	PP/RsVd	PVd/PRx/PBr
N356	PP/RsVd/PVd	PP/RsP/PRx/PP/PAz	**N807**	PP/RsVd/PVd	PM/RsAz/PM/PL/PBr
N357	2PP/RsVd/PVdcl/PVd	PM/PAz/PP/PRx/PVd/PAz/PVd/PP/PM/PL/2Paz	**N808**	PCz/RsCz	RsVd/RsRx
N358	PCz	PVd/RsAz/PVd/RsAz	**N809**	RsP/RsVd/PP	RsAz/PP/PRx/PP/PM/PL/PRx
N359	PCz/PVd	RsRx/RsVd/2PL	**N810**	PP/RsVd/PVd/RsVd/2PVd	RsVd/PP/PVd/PRx/PBr/PLs
N360	2PCz	RsAz/Paz	**N811**	PCz/RsVd/PP/PCz	2PM/PL/PAz

N361	PP/PAz/RsVd/PVd	PL/RsAz/3PVd/PM/2PL	**N812**	PP/RsVd	RsVd/2PRx/PVd/2PRx
N362	PP/RsCz/PCz	RsAz	**N813**	PP/RsVd/PP/PVd	RsM/PLs/PM/PL
N363	PP/RsCz/2PCz/PVd	2PM/PP	**N814**	PP/RsVd	RsVd/PRx/PAm
N364	PP/RsCz/PCz/RsVd	PCz/PP/Paz	**N815**	PCz/RsVd/PVd	PL/RsVd/PBe/2PBr/PVd/PM/PL/PBr
N365	3PP/RsCz/RsVd/PVd	PAz/PP/RsRx/PP/PM	**N816**	PCz/RsVd	RsVd/RsRx
N366	PP/RsCz/PAz/2PCz	2PAz/PP/PBr	**N817**	PP/RsVd/PP	PL/RsVd/PBr/PM/PL/PBr
N367	2PP/RsCz/RsVd/PCz	PM/2PVd/PRx/2PAz/RsVd/2PBr/PLs	**N818**	PCz/RsVd	RsVd/PP/PRx/PBr
N368	PP/RsVd	PVd/PAz/PRx/PBr/PAz	**N819**	PCz/RsVd/Paz/RsVd/PVd/3PCz	PL/RsVd/PAz/PRx/PAz/PM/PL
N369	PCz/RsVd/4PVd	RsAz/2PL/2PM	**N820**	PP/RsCz/RsVd/PVd	PVd/3PRx/PL
N370	PP/RsCz	PVd/RsAz/PVd/RsAz/PAz	**N821**	PCz/RsVd/PP	PBe/PVd/RsBe/PL/PM/PL
N371	2PP/RsVd/3PVd	PL/PAz/2PVd/PRx/2PAz/PBe/PL/2PM	**N822**	PP/RsVd	RsAz/PL/PLs/PVd
N372	PP/RsCz	PAz/PVd/PAz/PRx/PAz/PRx/PVd/PAz	**N823**	PP/RsVd/PP/PVd	PVd/PM/PVd
N373	2PP/RsVd/2PVd	PL/RsAz/RsLs/PRx/PAz/PL/PM	**N824**	PP/PCz	RsAz/RsRx
N374	PP/RsCz/PCz	PVd/Paz	**N825**	PP/RsVd/PVd	RsM/PRx/RsM/PL/PM/PL
N375	PP/PAz/PVd/PAz/PVd/PAz/RsVd/2PVd	PVd/Paz/PVd/2PAz/2PVd/PAz/PVd/PRx/2PAz/2PP	**N826**	PP/RsVd	PL/PRx
N376	PP/PAz/PVd/PAz/PVd/PCz/	PVd/2PAz/2PVd/2PAz	**N827**	PP/RsVd/PVd	RsM/PVd/PBr/PL
N377	PP/RsP/PCz/2PVd	PAz/RsVd/2PAz/PM	**N828**	PCz/RsVd	PAz/PBr
N378	3PCz	Paz	**N829**	PP/RsVd/3PVd	RsM/RsVd/PP/PVd/PM/PL
N379	PCz/4PVd	PVd/PAz/PM	**N830**	PCz/RsVd/PVd	PAz/RsAz/PP/PL/PBr
N380	3PCz	RsVd/2PVd	**N831**	PP/RsVd/PVd	PM/PRx/PL/2PBr
N381	2PP/RsCz/RsVd/PVd	2PM/RsM/PBr/PP	**N832**	PP/RsVd	RsRx
N382	PP/PVd	PVd	**N833**	PP/RsCz/RsVd/PP	RsL/PM
N383	2PP/RsCz/RsVd/PVd/PCz	RsP/PLs	**N834**	PP/RsCz/RsVd	PM/RsVd/RsRx
N384	PP/RsCz/RsVd	PP	**N835**	RsCz/RsVd/PVd	RsL/PRx/3PL
N385	2PCz/RsCz/RsVd/PVd	RsAz/RsLs/PM/PVe	**N836**	PP/RsVd/2PVd	RsVd/PRx
N386	PP/RsCz/4PCz	PVd/RsRx/PAz	**N837**	RsVd/PVd	PL/RsVd/RsL/PM/PL
N387	2PP/RsP/PP/PCz/PP/2PCz	2PM/RsP/PAz/PP	**N838**	RsCz/PVd	RsVd/RsRx/PLs
N388	PP/RsCz/3PCz	RsRx/PRx	**N839**	PCz/RsVd/PVd	RsL/PL

N389	PP/RsCz/3PVd	2PM/PP/PAz/2PBe	**N840**	PCz	RsVd/RsRx
N390	PP/RsCz/PVd/2PCz	PM/2PP/PAz/PVd	**N841**	PP/RsVd/PVd	RsM/PM
N391	PP/RsCz/4PVd	RsAz/2PVd/RsRx/PVd/3PM	**N842**	PCz	RsAz
N392	PP/RsCz/PCz	RsAz/PVd/RsAz/PVd	**N843**	RsCz/RsVd	RsL/PL
N393	RsP/RsVd/2PVd/PCz	PVd/PM/PVd/PM/RsAz/2PAz/PBe/PM/PBe	**N844**	PP/RsCz/RsVd	PVd/PVdcl
N394	PP/RsCz/PCz	PVd/RsAz/RsRx/PVd	**N845**	PP/RsCz/RsVd/PVd	PBe/RsL/PL
N395	RsP/RsVd/PVd	Paz/PM/Paz/PRx/Paz/RsVd/PVd	**N846**	PP/RsCz/RsVd	PVd/RsAz/PAz
N396	PP/RsCz/PVd/PCz	PM/RsAz/PVd	**N847**	RsP/RsVd/PVd	RsL/PM/2PRx/PL
N397	PP/RsVd/PCz	RsM/Paz	**N848**	RsCz/RsVd	RsVd/PRx
N398	RsVd/PVd	PBe/RsM/PAz/PCz	**N849**	PP/RsCz/RsVd/PVd	RsL/PM/PL
N399	PBe/RsVd	PVd/RsVd/PAz	**N850**	PP/PCz/RsVd	PCz/RsVd/PAz
N400	RsVd/PCz/PVd	PAz/2PVd	**N851**	PP/RsCz/RsVd/PVdc/2PVd	RsL/2PM/PL
N401	PBe/RsVd	PAz/RsAz/RsVd	**N852**	PP/2PCz/RsVd/PVd	RsRx/RsVd
N402	RsVd/PCz	RsVd/RsAz/PVd/PBe/PBr	**N853**	PP/RsVd/PVd	RsL/PM/PL
N403	PBe/RsVd/PCz	PBe/RsRx	**N854**	PP/RsCz/RsVd	PM/RsAz/RsRx
N404	RsVdcl/PCz/PVd	PCz/RsCz	**N856**	PP/RsCz/RsVd	PRx
N405	PBe/RsVdcl	RsRx/PRx	**N857**	PP/RsCz/PP/PVd	PM/RsLs/PP/RsLs/PRx/PM/PAz/PL
N406	NÃO TEM	NÃO TEM	**N858**	PP/RsCz/PVd	PVd/PP/PRx/PL
N407	PVd	PAz/RsRx/PL/PRx	**N859**	PP/RsCz/RsVd/PP/PVd	PAz/RsL/2PL
N408	PM	PAm/RsM/PP/PM/PL	**N860**	RsCz/RsVd	RsVd/2PRx/PP/2PRx
N409	Pam	PAz/RsRx/PRx	**N861**	RsP/PAz/RsVd/PCz/PAz	PP/RsAz/PAz/PRx/PAz/PRx/PAz/2PBr
N410	PVd/RM/PVd	Rsvd/RsRx	**N862**	PCz/RsCz/PAzcl	RsRx/PAz/4PRx
N411	PVd	PAz/RsAz/RsVd	**N863**	PP/RsCz/RsVd/PVd/PP	RsM/RsL/PM/PL
N412	RVd/PM	RsP/RsRx	**N864**	RsCz	RsRx/PVd/2PRx/2PL
N413	PP/	PCz/PP/RsCz/RsBe/PM	**N865**	RsP/RsVd/PVd	2PAz/PL/2PAz
N414	RVd/PCz	PP/RsCz/PBe	**N866**	PP/RsCz/RsVd	PCz/RsVd/RsAz/Paz/RsP/PRx
N415	PVd/Rbe/PCz	PCz/PP/RsCz/PAz/PM/PL	**N867**	RsP/RsVd/PVd	RsP/PL/PM/PL
N416	Rbe/PCZ	PCz/RsRx/PRx	**N868**	PP/RsP/RsCz	RsCz

N417	PP	PBe/PM/PBe	**N869**	PP/RsP/PP/PRx	PM/RsRx/2PAz/PVd/2PAz
N418	PP/PVd	PCz/RsCz	**N870**	PCz/RsCz/PCz	PCz/PAz
N419	PP	RsCz/PCz/RsCz/PL/PBr/PP	**N871**	PP/RsCz/3PCz	PBe
N420	PVd/RCz/PVd	PCz/RsCz	**N872**	PCz/RsCz/PCz	PCz
N421	PP/RCz	PCz/RsRx/Pam	**N873**	RsCz/2PVd	PAz/2PM
N422	PP/RsCz/RsVd/2PVd	PP/RsCz/PRx/RsRx/PAm	**N874**	PP/RsCz	PCz
N423	PRx/RsCz/RsVd	RsP/PP/RsCz/PP/PM	**N875**	PCz/RsCz/2PVd	RsCz/2PL/PAz/PCz/2PP
N424	RsCz/RsVd/PP	PP/RsCz/PP	**N876**	PP/RsCz	PCz/RsRx
N425	RsCz	RsCz/2PAz/RsCz/PP	**N877**	RsCz/PVd/PRx/PCz	2PAz/PM/PRx
N426	RsCz/RsVd/2PP	PCz/RsRx/Pam	**N878**	PCz/RsCz	RsVd/PAz
N427	PP/PCz	PP/RsCz/PRx/RsRx/PAm	**N879**	PCz/RsCz/5PCz	PM/PCz/PL
N428	PCz/RsVd	RsP/PP/RsCz/PP/PM	**N880**	PP/RsCz/2PCz	2PCz
N429	PP/RsAm/RsVd	PP/RsCz/PP	**N881**	2PP/RsCz/2PVd	2PCz/PAz/PBr
N430	PVd/PRx/RsVd	PP/RsCz/Pvd	**N882**	PP/RsCz	3PCz
N431	PP/RsVd/PVd	PCz	**N883**	2PP/RsCz/2PVd	2PCz
N432	PM/RsCz	PBe/RsRx/RsAz/PL	**N884**	PP/RsCz/PCz	PCz/RsAz
N433	PM/RsCz/PVd	RsVd/PBe	**N885**	PCz/3PVd/RsCz/PCz	3PCz/PAz/PBe
N434	RsCz/RsVd	3PRx/PVd/PRx	**N886**	PCz/PP/3PCz	-
N435	RM/PVd	RsBe/PRx/RsL/PL	**N887**	RsCz/PAz/2PVd	2PAz/3PBe/PM
N436	RsM	PVd/RsVd/2PL	**N888**	PP/RsCz	PCz/PAz
N437	RsM/PP	RsCz/2PCz	**N889**	2PP/RsCz/2PP	PCz/PBe/PP
N438	RsM	PM/PP/PM/PL	**N890**	PP/RsCz	PCz/2PBe
N439	RsM/2PCz/PVd	PAz/RsRx/PL/PRx	**N891**	RsCz/2PVd	RsBe/2PM
N440	PM	PAm/RsM/PP/PM/PL	**N892**	RsCz/2PCz	PCz
N441	PM/PVdcl	PAz/RsRx/PRx	**N893**	RsCz/2PCz/3PVd	4PCz
N442	PMcl	RsVd/PAz/PVd/PRx/PVd/PRx/PL/PAm	**N894**	PCz/RsCz/RsVd/PVd	PCz/2PAz
N443	RA/PB/PRx	RsVd/RsRx/PRx	**N895**	RsP/PAz/PVd/PAz	RsCz/PBr/RsCz/PAz
N444	PB/PA	PL/RsVd/PAz/RsVd/PRx/PM/PL	**N896**	PP/RsCz/PCz	PCz/RsCz
N445	RM/PVd	PVd/RsAz/PVd/RsRx/RsVd/PRx	**N897**	RsCz/3PAz/2PVd	RsVd/2PAz/RsAz/2PP/PRx

N446	PM/RM	PL/PRx/RsVd/PAz/RsBe/PBr/2PM/PL	**N898**	PCz/3Paz	PVd/3PAz
N447	RM,PRx/PVd	RsVd/2PRx/PL	**N899**	PCz/RsCz/PVd/PCz	2PM
N448	PM/RM	RsBr/RsLs/PP/PBr/PL	**N900**	RsCz	RsVd
N449	PM/Rbe/RM	RsAz/RsRx/PRx/PAz	**N901**	RsCz/RsVd/2PVd	RsCz
N450	RM/Rbe	PP/RsCz/PRx/PP	**N902**	PP/RsCz	PCz
N451	PM/PVd	PP/RsRx/PCz	**N903**	RsCz/PVd	RsAz/RsAm
N452	PM	RsCz/3PCz	**N904**	PP/RsCz	RsAz/RsVd/PAz
N453	RsP/PCz/RsVd	PP/RsCz/2PCz	**N905**	PP/RsCz/PVd	RsAz
N454	PP/RsCz/RsVd/2PP	RsCz/2PM/2PL/2PM	**N906**	PP	RsAz
N455	PCz/RsVd	PP/RsCz/2PCz	**N907**	RsCz/PVd	RsL/PVe
N456	RsCz/RsVd/PVd	4PP/PBe	**N908**	PP/RsCz	PAz
N457	PP/RsCz/RsVd	2PP/2PCz	**N909**	PP/RsCz/PVd	PAz/RsVe/PVe
N458	PAz/PRx/2Paz	RsP/RsRx/PP/PRx/PM	**N910**	PP/RsCz	2PAz
N459	PAz/PCz	PP/RsCz	**N911**	RsCz/PVd	RsVe/PVe
N460	RsM/PVd	RsCz/3PCz/PVd	**N912**	PP/RsCz	PAz
N461	RsM	PP/RsP/RsRx	**N913**	PP/RsCz/PVd	PRs/PL/RsL/PVe
N462	RsM/PVd	2PP/RsRx/PCz/PBe	**N914**	PP/RsCz	2PAz
N463	RsM	2PP/RsCz	**N915**	PP/RsCz/PVd	PRs/RsL/PVe
N464	RsM/PP	RsCz/PCz/PM/2PVd	**N916**	PP/RsVd/2PVd	RsAz/PP/PAz
N465	RsM	RsRx/PP	**N917**	PP/RsCz/PVd	RsAz/PBr
N466	RsM/2PCz/PVd	RsCz/PBe/PRx/PCz/PBr/PBe	**N918**	PP/RsVd	RsAz
N467	PM	PCz/RsCz/RsRx	**N919**	PP/RsVd/PVd	RsAz/PBr
N468	PCz/RsVdcl/PVdcl	PP/RsCz	**N920**	PP/RsVd	RsAz
N469	PVd	Paz,Raz	**N921**	PCz/RsVd	RsAz/PBr
N470	PM	RsCz/PBe/PRx/PCz/PBr/PBe	**N922**	PRx/RsVd	RsAz
N471	Pam	PBr/PVM	**N923**	PRx/RsVd/PVd	PVe/RsAz/RsRs/PVe
N472	PVd/RM/PVd	PBr/RsAz/RsLs/PL/2PRx/PL	**N924**	PRx/RsVd	RsAz
N473	PVd	RsAzcl/PBr/RsAzcl/RsAz			

Tabela 3 – Resultados apresentados para análise de extratos vegetais obtidos de plantas amazônicas em cromatografia de camada delgada, usando revelador H_2SO_4 20% com pós quiema (Cx), fase estacionária sílica gel GF 254 e fase móvel X - acetato de etila: ácido fórmico: ácido acético glacial: água (100:11:11:26).

Número do extrato	Revelação	Número do extrato	Revelação	Número do extrato	revelação
N23	PP/RsP/PP/RsCz/PP	**N323**	PBr/PRx/RsM/PVd/PCz	**N623**	PM/RsCz/PVd
N24	PP/RsCz/PCz	**N324**	PCz/PRx/RsCz	**N624**	PP/RsCz
N25	PP/RsCz/PCz/RSCz/PVd	**N325**	PCz/PRx/RsM/PM/PBe/2PRx/PVd	**N625**	PP/RsCz/PVd
N26	PP/RsCz	**N326**	RsCz/RsVd/PCz	**N626**	PCz/RsCz
N27	RsP/RsCz/PP	**N327**	PCz/RsCz/RsRx/RSVd/PRx/PM/PVd	**N627**	PP/RsCz/PVd
N28	PP/RsVd/RsCz	**N328**	PCz/RsRx/RsCz	**N628**	RsP/RsCz
N29	RsP/RsCz/PVd	**N329**	2PVd	**N629**	RsCz/PVd
N30	RsP/RsCz	**N330**	PCz/RsCz	**N630**	PP/RsCz
N31	RsCz/RsVd/Pbe/PP	**N331**	PCz/PP/RsCz/RsVd/2PVd	**N631**	PP/PCZ/RsCz/PVd/RsCz/2PCz
N32	PP/RsCz/PVdcl/RsCz	**N332**	PP/RsP/RsVd/RsCz/2PAm	**N632**	PP/RsCz
N33	RsP/PP/RsCz/PP	**N333**	2PCz/RsCz/2PVd	**N633**	PM/PCz/RsCz/PBe/2PCz
N34	PP/RsCz	**N334**	PP/RsCz	**N634**	PM/RsCZ/PBe
N35	PP/RCz/PRx	**N335**	2PP/RsCz/PM/PVd	**N635**	PCz/RsP/PCz
N36	PP	**N336**	PP/RsCz	**N636**	RsCz
N37	PP/RCz/PVd	**N337**	RsCz/RsBe	**N637**	PM/RsRx/RsCz/PVd
N38	RCz	**N338**	PP/RsCz	**N638**	PCz
N39	PP/RCz/PP	**N339**	RsCz/PVd	**N639**	PM/RsVd/PVd
N40	PM	**N340**	PCz/RsCz	**N640**	PCz/RsCz
N41	PP/RCz/RM	**N341**	2PP/RsCz/PM/RsCz/2PCz	**N641**	PP/RsP/PCz
N42	RCz	**N342**	2PCz/RsCz/PRx/PCz	**N642**	RsCz
N43	RCz/PM/Pam/RP	**N343**	2PP/RsCz/2PVd	**N643**	RsCz/PVd
N44	PP/RCz/Pam	**N344**	PCz/RsCz	**N644**	RsCz
N45	RRx/PCz	**N345**	2PP/RsCz/PVd/2PCz	**N645**	PP/RsCz/PCz
N46	PP	**N346**	RsCz/PVd/3PCz	**N646**	PM/RsCz
N47	PP	**N347**	2PP/RsCz/RsRx/2PCz	**N647**	RsCz/PP

N48	PM/RCz	**N348**	2PP/RsCz/2PCz	**N648**	RsCz
N49	RCz/PVd	**N349**	2PM/RsCz/2PAm/PCz/2PVd	**N649**	RsCz/RsVd/PP
N50	PM/RCz	**N350**	PM/RsCz/Pam	**N650**	RsCz
N51	RCz/RVd	**N351**	PCz/RsM/PM	**N651**	PCz/RsCz/RsVd/2PP
N52	PM/RCz	**N352**	PP/PM/RsM	**N652**	PM,RCz
N53	RCz/PM	**N353**	2PP/RsCz/2PM	**N653**	RCz,RVd
N54	RM	**N354**	PCz/RsBe/RsCz	**N654**	PCz,RM
N55	RM/PVd	**N355**	RsCz/RsLs/Pbe/RsLs/PLs/PP/PM	**N655**	PCz,RM,PVd
N56	RM	**N356**	PCz/RsCz/PBe	**N656**	PM,Rm
N57	RM/Pvd	**N357**	2PP/RsCz/PAm/PRx/PVd/PCz	**N657**	PM,RCz
N58	Pvd/RM	**N358**	PCz/RsRx/Pam	**N658**	RCz,RM
N59	RsCz/PVd/RsCz	**N359**	RsRx/PBe/RsRx/PBe/PCz	**N659**	PCz,PM
N60	RsCz/PVd/RsCz	**N360**	PCz/RsCz	**N660**	RCz,RVd
N61	RsP/RsRx/PCz	**N361**	2PP/RsCz/PCz/RsRx/PP/PCz	**N661**	PM,RM
N62	PP/RsCz	**N362**	PCz/PVd/RsVd	**N662**	PM,RCZ,PP,PVd
N63	PP/RsRx/PCz	**N363**	2PCz/RsCz/PVd/RsCz/3PVd	**N663**	Pm,RCz
N64	PP/RsCz	**N364**	PCz/PP/PM/RsCz/PVd/RsCz/2PBe	**N664**	PM,RCz,2PVd
N65	RsCz/PVd	**N365**	2PCz/PM/Pbe/PRx/PCz/PBe/RsCz/2PVd	**N665**	PM,Rbe
N66	PP/RsCz	**N366**	PM/PP/RsCz/PBe/PRx/RsCz	**N666**	PM,RM,2PVd
N67	RsCz/PVd	**N367**	PCz/3PRx/PBe/RsRx/2PL/PRx	**N667**	PM,RM
N68	PCz/RsCz/RsVd	**N368**	PCz/PRx/RsCz	**N668**	PM,Rbe,RVd
N69	RsCz/PCz	**N369**	RsCz/RsLs/4PVd	**N669**	PP,RCz
N70	PP/RsCz	**N370**	PBe/PLs	**N670**	PM,RM,RVd
N71	PP/RsCz/PVd	**N371**	PBe/RsCz/PBe/RsCz/PBe/PCz/3PVd	**N671**	PM,RCz
N72	PP/RsCz	**N372**	PM/PBe/RsCz/2PBe	**N672**	RM
N73	PCz/RsCz/PVd	**N373**	RsCz/PM/RsCz/PLs/PM/PP/PLs	**N673**	PM,RM
N74	PP/RsP/PVd/RsCz	**N374**	PP/RsCz/RsRx/PLs	**N674**	PM,RCz
N75	RsP/PP/RsCz/PVd	**N375**	PCz/RsCz/2PCz/RsCz/PLs/PCz/2PVd	**N675**	PM,RCz
N76	PP/RsCz/PP/RsCz	**N376**	PCz/RsCz	**N676**	PCZ,RM,2PVd

N77	2PP/RsCz	**N377**	PCz/PM/RsRx/PRx/2PCz	**N677**	PM,RCz,Rbe
N78	2PP/RsCz	**N378**	RsCz	**N678**	RM,PM,RCZ,PVd
N79	2PP/RsCz/RsVd/2PCz	**N379**	PRx/3PVd	**N679**	PM,RCz,Pm
N80	2PP/RsCz	**N380**	PCz/PRx/PBe	**N680**	Rbe,,RVd
N81	RsCz/PCz	**N381**	2PM/RsM/PVd/PCz/PRx/PCz/PVd	**N681**	PM,RCz
N82	PCz	**N382**	PM	**N682**	RM,RVd
N83	2PP/RsCz/2PCz	**N383**	2PM/RsRx/PRx/2PCz/PVd	**N683**	RCz,PM,RCz,PVd
N84	2PP/RsCz	**N384**	PM/RsCz	**N684**	PM,RM,PM,Rm
N85	RsCz/PP/RsCz/PVd/RsCz/PP	**N385**	PM/RsM/PRx/PM/PVd	**N685**	PM,RCz
N86	PCz/RsCz/2PVd/RsCz/PCz	**N386**	PP/RsCz	**N686**	PP,RCZ
N87	RsCz/PCz	**N387**	PP/RsCz/RsRx/RsLs/2PAm/PP/2PLs	**N687**	PM,Rbe
N88	PCz	**N388**	PP/RsCz	**N688**	PM,RM,RCz
N89	2PCz/RsCz/RsBe/PP/PVd	**N389**	2PCz/RsCz/PVd/RsRx/2PM	**N689**	PM,RCz
N90	2PCz/RsCz	**N390**	PM/PP/RsCz/PVd	**N690**	PM,RM,RVd
N91	2PCz/RsCz/PVd	**N391**	RsCz/2PRx/PCz/3PVd	**N691**	PVd,RM,PVd,RCz
N92	PP/PCz/RsCz	**N392**	PCz/PP/RsCz	**N692**	RCz,RM
N93	2PCz/RsCz/PP/PVd	**N393**	PBe/3PM/RsBe/RsCz/PRx/2PM/PVd	**N693**	PM
N94	PCz/RsCz	**N394**	3PM/2PCz	**N694**	RM,RVd
N95	PCz	**N395**	PCz/PM/RsCz/PBe/RsRx/2PM	**N695**	Pm
N96	PCz/RsCz	**N396**	PP/RsCz	**N696**	PM,Rm
N97	RsCz/PCz/RsCz/PP	**N397**	RsM/RsVe/PM	**N697**	RM,RVd
N98	PCz/RsCz	**N398**	PM,RM	**N698**	Pm,RCz
N99	RsCz/PBe	**N399**	2PM	**N699**	RM,Rvd
N100	PP/RsCz/PBe	**N400**	PM,RM	**N700**	Pm,Rbe
N101	RsCz/PP/RsCz/PCz	**N401**	Rbe,PVd	**N701**	Pm,RRx,RVd
N102	PCz/RsCz/PBe/PCz	**N402**	PM	**N702**	PM,Rm,PRs
N103	PCz/RsVd/RsCz/RsVd/RsCz/PVd	**N403**	RVd	**N703**	Pm,RCz,PCz,Pbe
N104	PP/RsCz	**N404**	PM,RCz	**N704**	Pm
N105	RsCz/PM/RsCz/PVd	**N405**	Rbe,PVd	**N705**	RVd,PM,2PCz,2PVd

N106	RsCz/PM/RsCz	**N406**	NÃO TEM	**N706**	RsCz/PBe/PM/2PRx
N107	RsCz/2PCz/PVd	**N407**	PM,RVd	**N707**	Pm,RM
N108	RsCz/RsBe/RsCz	**N408**	PP,RCz	**N708**	PP,RCZ
N109	RsCz/RsRx/RsCz/PM	**N409**	RM,RVd	**N709**	PM,RsM,RsVd,RsCz
N110	PCz/RsCz	**N410**	PM,RM,Rbe	**N710**	PM,RRs,PVd
N111	PP/PM/RsP/PCz	**N411**	RM,RVd	**N711**	PCz/RsCz/RsBe
N112	PP/RsCz	**N412**	PM,RM	**N712**	PBe/RsCz
N113	RsP/PP/RsRx/PP/PRx	**N413**	RM	**N713**	PP/RsCz/PRx/PM/PCz
N114	PP/RsCz/RsBe	**N414**	PCz,PM,Rbe	**N714**	RCz,2PCz,PVd
N115	RsCz/2PBe/PVd/PCz	**N415**	RM,RVd	**N715**	RsCz/2PM
N116	PP/RsCz/2Pam	**N416**	RM	**N716**	PM,RCz
N117	PCz/RsCz/PBe/PCz	**N417**	RCz,PM	**N717**	PP/PCz/RsBe
N118	RsCz/RsBe	**N418**	PM,Rm,RCz	**N718**	PM,Rbe
N119	RsCz/RsRx/PP	**N419**	RCz,PVd	**N719**	RsCz/PBe/PM/2PRx
N120	PP/RsP/RsBe/PCz	**N420**	PM,RM,RBe	**N720**	PCz/RsVd/PCz
N121	3PP/RsCz/2PCz	**N421**	PVd	**N721**	RCz,2PVd
N122	PP/RsCz/PCz	**N422**	PM,RM	**N722**	RM,2PCz,PVd
N123	RsCz/PCz	**N423**	PM,PVd	**N723**	PM,RCz
N124	PCz/RsCz	**N424**	PM,RCz	**N724**	PP/RsCz/2PCz
N125	RsCz/RsRx/PCz/PRx	**N425**	PVd	**N725**	RsCz/PVd
N126	PP/PBe/RsCz	**N426**	PM,PCz,RCz	**N726**	PBe/RsCz/2PBe
N127	RsCz/PRx/PCz	**N427**	RVd	**N727**	PP/RsCz/PVd
N128	PP/PBe	**N428**	PM,PVd,Rbe	**N728**	PCz/RsCz/PBe
N129	RsCz/RsBe/PVd/PCz	**N429**	RM,RVd	**N729**	RsP/PVd
N130	RsCz/PVd/PRx	**N430**	PM,RCz	**N730**	RsCz/PBe
N131	RsCz,PM	**N431**	2PM	**N731**	RsCz/2PM
N132	PM,RsRx	**N432**	PM,RCz,PM	**N732**	RsCz/PBe
N133	PM,PCz,Paz,PM	**N433**	PM,RRx,RVd	**N733**	PCz/RsCz/PRx/RsRx/PM
N134	PM,RsCz	**N434**	PM,RCz,RM	**N734**	RsCz

N135	RsVd,PM	**N435**	RM,PM,PVd	**N735**	RsCz/PP/PVd
N136	PM,RsM,	**N436**	PM,RCz	**N736**	RsCz/2PBe
N137	PM,RsCz,PM	**N437**	PM,RM,PCz	**N737**	RsCz/Pbe/RsM/2PP
N138	PM,RsCz,PM	**N438**	PM,RCz	**N738**	RsCz
N139	RsM,RsCz,2PM	**N439**	RM,PCz	**N739**	PP/RsCz/2PCz
N140	RsM,RsVd	**N440**	PM,RM	**N740**	RsCz/PBe/RsCz
N141	Pm,RsCz,RsM	**N441**	PM,RCz,2PVd	**N741**	RsCz/PVd
N142	PM,RsCz,PM	**N442**	PM,RCz	**N742**	PBe/PCz
N143	PP,RM,PVd	**N443**	PM,RCZ,2PVd	**N743**	RsCz/PP
N144	PM,RM	**N444**	PM,RCz	**N744**	RsCz
N145	RM,PCz	**N445**	PCZ,PM,RM,2PVd	**N745**	RsCz/PP/2PCz
N146	PM,Rbe	**N446**	PM,RCz	**N746**	PBe/RsCz
N147	PM,RCz,	**N447**	PM,RCz,3PVd	**N747**	PP/RsCz/PBe/PM/PCz
N148	PCz,Rbe,2PM	**N448**	PM,RCz	**N748**	RsCz/PBe/RsCz
N149	PM,RBe	**N449**	RCz,2PL	**N749**	PCz/RsCz/PVd
N150	PM,RM,PVd	**N450**	RCz	**N750**	PBe/PCz/PBe/RsCz/PCz
N151	PM,RBe	**N451**	PM,RRx,PRX,2PVd	**N751**	RsCz/PBe/PM/PVd
N152	RM,PCz	**N452**	RM,PRx	**N752**	RsCz
N153	RVd,RM	**N453**	PM,RCz,2PVd	**N753**	RsCz/PVd/PRx/2PVd
N154	PM,RCz,	**N454**	PM	**N754**	PP/RsCz/RsBe/RsCz
N155	PM,RM,Paz,RM,2PM	**N455**	PM,RRx,Pm	**N755**	PBe/RsCz/PLs/2PBe
N156	PM,RCz,	**N456**	PM,Rcz	**N756**	PCz/RsCz
N157	PVd,RM	**N457**	PM,RM,RRX,RVd	**N757**	RsCz/RsP/RsRx/PCz
N158	não tem	**N458**	PM,RCz,RRx	**N758**	RsCz/PCz
N159	RM,RCz	**N459**	RCz,RM	**N759**	PP/RsM/PM
N160	PM,RM,PCz,3PVd	**N460**	PCz,RCz	**N760**	RsCz
N161	PM,RM,PCz,3PVd	**N461**	PP,RCz,2PAz,2PM	**N761**	RsCz/RsBe/PBe
N162	RM,Pam,2PVd	**N462**	PM,Rbe,PCz	**N762**	PCz/PP/RsCz
N163	Pbe,RM	**N463**	PM,RM,PCz,RM,2PVd	**N763**	RsCz/PRx/PBe/PP

N164	2PM,2PVd,Rbe	**N464**	PM,RCz	**N764**	RsCz
N165	PM,RBe	**N465**	PM,RCz,RM,RVd	**N765**	RsP/PBe/RsP/PRx/3PCz
N166	RM,2PAm,RM,PVd	**N466**	PM,RCz	**N766**	RsCz/PRx/RsVd
N167	PP/RsCz/PVd/RsCz/2PCz	**N467**	RCz,RVd	**N767**	PCz/RsBe/RsCz/PVd/PRx/2PVd
N168	PP/RsCz/PVd	**N468**	PM,Rbe	**N768**	PCz/RsCz
N169	2PP/RsP/2PCz	**N469**	PM,RCz	**N769**	PCz/RsCz/Pbe/PRx/2PVd
N170	2PP/RsCz	**N470**	RCz,PVd	**N770**	RsCz
N171	PCz/RsCz/2PVd	**N471**	RM,PVd	**N771**	RsCz/PP/RsRx/PVd
N172	PCz/RsCz	**N472**	PM,RCz	**N772**	RsCz/PVd/RsRx/RsCz
N173	PP/PCz/RsCz/PVd/PCz	**N473**	PM,PP,RM,PCZ,RVd	**N773**	2PP/RsCz/PRx/PM/3PCz
N174	PP/PCz	**N474**	PM,RCz	**N774**	PCz
N175	PCz/RsCz/PVd	**N475**	PM,Paz,RM,3PVd	**N775**	PP/RsCz/3PCz
N176	PP/RsCz	**N476**	PM,PVd,Paz,Rm	**N776**	2PCz
N177	PCz/RsCz/PVd	**N477**	PCz,RM,PCz,2Pvd	**N777**	PP/RsP/RsCz/2PVd
N178	4PCz/RsCz	**N478**	PM,Rbe,PCz	**N778**	RsCz
N179	2PP/RsCz/2PP	**N479**	RM,RRX,PRs	**N779**	RsCz/PRx/RsRx/PM
N180	PP/RsCz	**N480**	2Pm,RCz,2PVd	**N780**	RsCz/PVd/PRx/RsCz
N181	2PP/RsCz/PCz	**N481**	PM,RCz	**N781**	PVd/RsRx/PP/PM/2PRx
N182	PP/RsCz	**N482**	PM,PCz,PRs	**N782**	RsCz
N183	2PP/RsCz/PVd/RsCz/PVd	**N483**	PM,RCz,Rm	**N783**	RsCz/2PRx/PLs/PVd
N184	PP/RsCz/RsVd	**N484**	Pm,Rbe	**N784**	2PCz/RsCz
N185	2PP/RsCz/PCz/RsVd/2PCz	**N485**	PM	**N785**	2PP/RsP/RsCz/RsVd/PCz/PVd
N186	PP/RsCz/RsVd	**N486**	PM,RCz	**N786**	RsCz
N187	RsCz/PVd/RsCz/2PM	**N487**	Pm,RCz,PVd,RCz,Pm	**N787**	RsCz/PRx/RsCz/PVd/PRx/PVd
N188	PCz	**N488**	PM,RCz	**N788**	RsCz
N189	PCz/RsCz/PRx/PCz	**N489**	PP,RM,RVd	**N789**	RsCz/RsRx/PCz
N190	PCz/RsCz	**N490**	PM,RCz	**N790**	PCz/RsCz
N191	PCz/RsCz/PP	**N491**	PM,Rm,2PM	**N791**	PCz/RsCz/PCz/PRx/PVd/PCz
N192	PCz/RsCz	**N492**	RM	**N792**	RsCz

N193	PP/RsCz/2PCz	**N493**	PM,RM,RCz	**N793**	RsCz/PBe/2PVd
N194	RsCz	**N494**	RM,PVd	**N794**	RsCz/RsAm
N195	RsCz/PVd	**N495**	PM,RM,RCz,2PVd	**N795**	PCz/PVd/RsRx/PBe/RsCz/PVd
N196	RsCz/PCz	**N496**	PM,RM	**N796**	2PCz/RsCz
N197	RsCz/PM	**N497**	PCZ,RCz,RVd	**N797**	PCz/RsCz/PRx/RsCz/PLs/PCz/PRx
N198	PCz	**N498**	PM,RCZ	**N798**	PCz
N199	PCz/PP/RsCz/PCz	**N499**	RCZ,PRs,RVd	**N799**	RsCz/PM/PCz
N200	2PCz/RsCz	**N500**	PM,RCz	**N800**	PCz/RsCz
N201	2PCz/RsCz/PBe/PVd	**N501**	RRs,RVd	**N801**	RsCz/PM/RsBe/PRx/RsM/PP/PCz
N202	-	**N502**	PCz,RM,RRs	**N802**	PM/RsCz/PBe
N203	RsCz/PVd	**N503**	PP,PM,RCz	**N803**	PCz/RsCz/PM/PCz
N204	PCz/RsCz/RsBe/RsCz	**N504**	PCz,PVd,RCz,3PM	**N804**	PCz/RsCz
N205	2PP/RsCz/2PVd	**N505**	RCz	**N805**	PCz/PBe/RsCz/PLs/RsVd/PVd/PCz/PRx/PVd
N206	PP/RsCz	**N506**	RCz,PVd	**N806**	PCz/RsCz
N207	2PCz/RsCz/PP	**N507**	PP,RM,2PVd	**N807**	PCz/RsRx/2PVd
N208	RsCz	**N508**	PM,PP,RCz	**N808**	RsCz/RsLs
N209	RsCz/PVd	**N509**	PM,RM,PVd	**N809**	RsCz/PBe/PCz/PBe/PVd
N210	RsCz/PVdcl	**N510**	2Pm,RCz	**N810**	RsCz/PBe/RsCz
N211	2PCz/RsCz/PCz/RsCz/PVd	**N511**	PM,RM,RVd	**N811**	RsCz/PLs/2PVd
N212	2PCz/RsCz	**N512**	PM,RCz	**N812**	RsCz
N213	2PCz/RsCz/PP	**N513**	RCz,RVd	**N813**	PP/RsCz/PP
N214	PP/RsCz	**N514**	RCz,Rbe	**N814**	RsCz
N215	Rbe,PVd	**N515**	PP,RM,Rvd	**N815**	RsCz/PLs/PVd
N216	PM,RCz,	**N516**	PM,Rm,PVd	**N816**	RsCz/PBe
N217	RM	**N517**	Pm,Rm,Pvd	**N817**	RsCz/PBe/RsCz/PP/PCz
N218	PP,RM	**N518**	NÃO TEM	**N818**	PM/RsCz/PVd/RsCz
N219	PP,RM,RVd	**N519**	PP,PM,RCz,Rm	**N819**	PCz/RsRx/PCz/PVd
N220	PP,RM	**N520**	Pm,RM,RCz	**N820**	PCz/RsLs/RsCz
N221	Rbe,PVd,RM,PVd	**N521**	PM,RCz,3PVd	**N821**	RsCz/RsRx/PP/PCz

N222	PM,RM,	**N522**	PRs,RCz	**N822**	PCz/RsCz
N223	PM,RM,PCz,RVd	**N523**	PM,RRs,RVd	**N823**	PCz/RsCz/PM/PCz
N224	não tem	**N524**	PM,RRs	**N824**	PCz/RsCz
N225	RM,RVd	**N525**	PM,RCz,RVd	**N825**	2PCz/RsCz/PBe/PM/2PBe/PP/PCz
N226	PP,RM	**N526**	PM,RCz	**N826**	PCz/RsCz
N227	2Pm	**N527**	PCz,Rm,Pm,2PVd	**N827**	3PM/PRx/RsCz/PLs/2PCz
N228	PP,RM,RCz	**N528**	PM,Rbe	**N828**	RsCz
N229	PM,RM,RVd	**N529**	RCz,2PVd	**N829**	RsCz/PLs/RsCz/PBe/PLs/PVd
N230	PP,RM	**N530**	PM,Rbe	**N830**	RsCz/Pam
N231	PM,RM,RVd	**N531**	PM,RM,RCz,2PM	**N831**	PCz/PM/RsCz/PLs/PBe
N232	PM,RCz,	**N532**	PM,RCz	**N832**	PP/RsCz
N233	RM,RVd	**N533**	PP,RM,2PVd	**N833**	PP/RsCz/PVd
N234	PM,RM,RCz	**N534**	PM,RM,PRs	**N834**	PCz/RsCz
N235	PM,RCz,RVd	**N535**	Pm,Rm,3PVd	**N835**	RsRx/PCz/PVd
N236	PP,RM,Rbe	**N536**	PM,RM,RCz	**N836**	PP/RsCz
N237	Rbe,RVd	**N537**	PCz,Rm,PM	**N837**	RsCz/PVd
N238	PP,RM	**N538**	RM,RCz	**N838**	RsCz
N239	Pm,RCz,RM	**N539**	PP,PM,RCz,2PM	**N839**	RsCz/PVd
N240	PM,RRx	**N540**	PM,RCz	**N840**	RsCz
N241	RM	**N541**	PCz,Rbe,2PVd	**N841**	PP/RsCz/PBe/PCz
N242	PP,Rx,PVd	**N542**	PM,Rbe	**N842**	RsCz
N243	RM,PVd	**N543**	PM,RCz,2PVd	**N843**	PCz/RsRx/RsCz
N244	PM,RCz	**N544**	RM,RVd	**N844**	PCz/RsCz
N245	PM,PVd,RRx	**N545**	Pm	**N845**	PP/RsRx/PP
N246	RVd	**N546**	PM,RCz	**N846**	PP/RsCz
N247	PRX,RM	**N547**	PM,PRs,RCz	**N847**	PP/RsCz/PCz
N248	PVd	**N548**	PM,RCz	**N848**	PBe/RsCz
N249	RM,RRX	**N549**	RCz,RVd	**N849**	RsCz/PCz
N250	PM,RM,Paz,RM	**N550**	PVd,RCz	**N850**	RsCz/PBe

N251	PM,RCz,PRx	**N551**	RRx,Pm	**N851**	PP/RsCz/PVd
N252	PCz/RsCz/RsRx/RsBe	**N552**	PCz,RM,PRx	**N852**	PP/RsCz
N253	2PCz/RsCz/PM/PBe	**N553**	RCz,PCz,2Pvd	**N853**	RsRx/PP/RsRx/PCz
N254	2PCz/RsCz	**N554**	PCz,RCz	**N854**	RsCz
N255	2PCz/RsCz/PCz/RsCz/2PVd	**N555**	RCz,2Pvd	**N855**	PP/RsM/PP/PCz
N256	2PCz/RsCz	**N556**	PM,RM	**N856**	PP/RsCz/PBe/RsCz/PBe
N257	2PCz/RsCz/RsVd/2PP/PVd/PCz	**N557**	PP,RCz,RVd	**N857**	PP/RsCz/RsRx/PVd/PCz
N258	PP/RsCz	**N558**	PM,RCz	**N858**	PP/RsCz/RsBe
N259	2PCz/RsCz/2PCz	**N559**	PM,PP,RM,2PVd	**N859**	PCz/RsCz/PRx/PVd/PCz
N260	PCz	**N560**	PM,RCz	**N860**	RsCz/PRx
N261	2PP/RsCz/RsVd/PCz	**N561**	RM,RVd	**N861**	PP/RsCz/PCz
N262	2PP/RsCz	**N562**	PM,RCz	**N862**	PCz/RsCz
N263	2PP/RsCz/2PCz	**N563**	RCz,2PVd	**N863**	PCz/RsCz/PVd/PCz
N264	2PCz/2PBe/RsCz/PCz	**N564**	PM,RCz	**N864**	PCz/RsCz/RsVd
N265	2PCz/RsCz/2PCz	**N565**	RCz,RM	**N865**	RsP/RsM/PCz
N266	PCz/RsCz	**N566**	RM,Rbe	**N866**	PCz/RsCz
N267	2PRx/RsRx/RsCz/PCz/2PVd	**N567**	RCz,RVd	**N867**	RsCz/PLs/PCz
N268	PRx	**N568**	PVd,RCz	**N868**	PCz/PP/RsCz
N269	2PCz/PLs/PP	**N569**	PM,RM,RVd	**N869**	PCz/RsCz/PP/PVd/PCz
N270	PCz	**N570**	PP,RCz	**N870**	2PCz/RsCz
N271	PCz/PRx/RsCz/PRx/RsVd/PP/PVd	**N571**	PM,RCZ,PVd,PCz,2PVd	**N871**	PM/RsCz/PCz
N272	PCz/RsCz	**N572**	PM,RCz	**N872**	PBe/RsCz
N273	2PCz/RsCz/PRx/PVd	**N573**	PM,RCz,Rvd	**N873**	RsCz/2PVd
N274	RsCz	**N574**	Pm,Rcz,PVd	**N874**	PBe
N275	2PCz/RsCz/PVd/PBe	**N575**	PP,PRs,Pvd,RRx,2PVd	**N875**	RsCz/2PVd
N276	2PCz/RsRx	**N576**	PRx,RCz,PVd,RRs,PRs	**N876**	PCz/RsCz
N277	RsCz/2PCz/RsCz/PRx/PVd	**N577**	PVd,RCz,RVd,PCz,PM	**N877**	RsCz/PVd
N278	PP/RsCz	**N578**	PM,RCz	**N878**	RsBe
N279	RsCz/2PBe/PVd	**N579**	PM,RM,2PVd	**N879**	PBe/RsCz/2PBe/3PVd

N280	PCz/RsCz/RsVd	**N580**	PM,Rm	**N880**	PP/RsCz/PBe
N281	RsP/RsCz/PRx/PM/PVd	**N581**	PM,RCz,Pm	**N881**	PCz/PP/RsCz/2PVd
N282	PCz	**N582**	PVd,RCz	**N882**	PP/RsCz
N283	RsCz/2PVd	**N583**	RM,PCz,RM	**N883**	PCz/PM/PBe/RsCz/2PVd
N284	NÃO TEM	**N584**	PM,RCZ,PCz	**N884**	PP/RsCz
N285	2PCz/RsRx/RsCz/2PCz	**N585**	PCz,RM,RCz,Pm	**N885**	2PP/PVd/PP/RsCz/2PVd
N286	PCz/RsCz	**N586**	RCz	**N886**	PP/PCz
N287	RsCz/2PVd	**N587**	PM,RCz	**N887**	RsCz/2PCz/3PVd
N288	PCz	**N588**	RM,RVd	**N888**	PP/RsP
N289	2PP/RsCz/RsBe/2PCz/2PVd	**N589**	PM	**N889**	2PM/RsM/2PCz/2PVd
N290	PP/RsCz/PBe/RsCz	**N590**	RCZ,RVd	**N890**	PP/RsCz
N291	PCz/PP/RsP/RsCz/2PP	**N591**	RCz,RVd	**N891**	RsCz/2PVd
N292	PP/RsCz	**N592**	PCz	**N892**	RsCz
N293	2PCz/RsCz/PLs/RsCz/PLs/2PVd	**N593**	RCz,RVd	**N893**	2PCz/PAm/3PVd
N294	PP/RsCz	**N594**	PCz,RM	**N894**	RsCz
N295	3PLs/RsCz/PVd	**N595**	RCz,PM.PP,PVd	**N895**	RsM/PCz
N296	PP/RsCz	**N596**	PM,RCz	**N896**	RsCz
N297	2PCz/RsCz/2PCz	**N597**	RCz,PM,RCz,PM,2PVd	**N897**	RsCz/PVd/RsCz/2PVd
N298	PP/RsCz/RsVd	**N598**	PM,RCz	**N898**	RsCz
N299	2PP/RsRx/2PP	**N599**	PM,RRx,2PM	**N899**	PM/RsCz/2PVd
N300	PP/RsCz	**N600**	PM,RCz	**N900**	PP/PM/RsCz
N301	RsCs/2PBe/RsCz/PM/PCz	**N601**	PM,RP,RCz,2PVd	**N901**	PM/RsM/2PVd
N302	PP/RsCz/2PAm/RsCz	**N602**	PM,RCz	**N902**	PM/PP/RsCz
N303	RsCz/PBe/2PCz/PVd/2PRx	**N603**	PM,RVd,RM,RVd	**N903**	RsCz/PM
N304	PCz/RsCz/PVd/RsCz/PBe	**N604**	PCz,RCz	**N904**	PM/RsBe
N305	2PCz/RsCz/PM/RsCz/PRx/PP/PVd/PCz	**N605**	RCz,RM	**N905**	RsCz/RsP/RsCz/PP
N306	PCz/RsCz	**N606**	PM,RRs	**N906**	PM
N307	PM/PBe/RsCz/PRx/PLs/PP/PVd/PLs/PRx	**N607**	PM,RVd,RM,RVd	**N907**	PM/RsCz/PBe/RsCz/PP
N308	PP/PBe/RsCz	**N608**	PM,Rbe	**N908**	PM/PBe/RsCz

N309	PCz/3PRx/RsCz/PCz/PRx/2PM	**N609**	PM,RCz,RVd	**N909**	PM/RsCz/PP
N310	PP/PRx/RsCz	**N610**	PP,RM	**N910**	PM/RsBe/RsCz
N311	PCz/RsCz/RsRx/PRx/PVd/PP/PBe/PVd	**N611**	PM,RM,RCZ,Rm	**N911**	2PM/Pbe/PP/PBe/RsCz/PP
N312	PCz/RsCz	**N612**	PM,RCz	**N912**	PP/RsBe
N313	2PCz/PRx/RsCz/RsVd/PRx/2PVd/2PRx	**N613**	PP,RM,RCz,PVd	**N913**	PCz/RsCz/RsM/RsCz/PVd
N314	PP/RsCz/RsVd	**N614**	PM,RRx	**N914**	RsCz/PM/RsCz
N315	RsCz/PBe/RsCz/2PVd	**N615**	PM,RRx,PRs,RCz	**N915**	RsM/RsCz/Pbe/RsCz/RsVe/PVd
N316	RsCz	**N616**	PCz/RsCz	**N916**	RsBe/RsCz/PCz/RsCz
N317	PCz/PRx/PVd/RsCz/PRx/2PM/2PCz	**N617**	PM/RsCz	**N917**	RsCz/PCz
N318	PCz/RsCz	**N618**	PCz/RsCz	**N918**	PCz
N319	PCz/RsCz/PBe/RsCz/2PCz	**N619**	PM/RsCz/PVd	**N919**	RsP/RsCz
N320	PM/RsCz	**N620**	PCz/RsCz	**N920**	PCz/RsCz
N321	NÃO TEM	**N621**	PM/RsCz/PCz	**N921**	2PCz/RsCz/PCz
N322	PCz/PM/RsCz/RsVd	**N622**	PCz/RsCz	**N922**	RsCz
				N923	RsCz/RsBe/PCz/PVd
				N924	RsCz/RsVd/RsM

Tabela 4 – Resultados apresentados no teste com extratos vegetais obtidos de plantas amazônicas executado em cromatografia em camada delgada, revelador H_2SO_4 20% (Dy), com fase estacionária sílica gel GF 254 e fase móvel Y=acetato de etila: metanol: água (100: 35: 10).

Número do Extato	254 (verde)	366 (Roxa)	Número do Extato	254 (verde)	366 (Roxa)
N23	RsVdcl/RsVd	RsAzcl/PBr/RsAzcl/RsAz	**N474**	PM	PP/PRx/PVd/PRx/PP/PAz/RsP/2PM/PAz/PP
N24	RsVdcl	RsAzcl/Paz	**N475**	PP/RsVd	Paz/PVd/PRx/PP/PRx/PVd/RsP/PRx
N25	RsVd/PVd	RsRo/PVecomAlorosa	**N476**	PAz/PCz	RsVd/PP/PVd/RsRx/2PM/2PL
N26	PBe/RsVd	-	**N477**	PP/RsCz	PVd/RsVd/PP/RsRx
N27	RsVd/PCz/PVd	RsL/PVe	**N478**	PM,RCz	RsVd/PRx/RsLs/PL/PP
N28	PBe/RsVd	PBr	**N479**	RsM	PVd/RsRx/PRx
N29	RsVd/PCz	RsAzcl	**N480**	RsM/PP	PM/PBr/PM/Paz
N30	PBe/RsVd/PCz	-	**N481**	PM/RM	RsAz
N31	RsVdcl/PCz/PVd	RsBr/PL	**N482**	RM/Rbe	PVd
N32	PBe/RsVdcl	PAzcl	**N483**	PM,RCz	RsCz/PBr/PL/PBr
N33	PCz/RsVdcl/PVdcl	Pro	**N484**	PM,RCz	PP
N34	PVd	PAzcl	**N485**	PP,RM	RsVd/PRx/PM/2PVd/PLs
N35	PM	RVd	**N486**	PP/RsCz	PVd/RsVd
N36	Pam	Pvd	**N487**	PP,RM,RVd	PCz/PP/PRx
N37	PVd/RM/PVd	PM	**N488**	PP/RsCz	PCz
N38	PVd	PCz	**N489**	PP/RsCz	PP/2PL/PVd
N39	RVd/PM	RM/PM	**N490**	PVd/PRx/RsVd	PVd
N40	PP/	PM/Pam	**N491**	PP/RsCz/RsVd	PRx
N41	RVd/PCz	Pam	**N492**	PP/RsCz	PCz
N42	PVd/Rbe/PCz	-	**N493**	PP/RsCz/RsVd/PVd	RsVd/PBe
N43	Rbe/PCZ	PM	**N494**	PM,RCz	PVd/RsRx
N44	PP	PCz	**N495**	PP/RsCz/PVd	RsVd/PAz/PRx/PAz/PL
N45	PP/PVd	-	**N496**	PCz/RsVd	PVd/RsVd/PVd/2PRx

N46	PP	-	**N497**	PAz/PCz	RsM/PL/PM/PL
N47	PVd/RCz/PVd	RsAz/PBr/RsAz/Paz	**N498**	PP/RsRx/RsVd	PBe
N48	PP/RCz	RsL/PVe	**N499**	PP/RsCz	PP/RsCz/PAz/RsCz/PAz/PBr/PCz/2PAz/2PVd
N49	PCz/PVd	PBr/PVM	**N500**	PP/RsCz/RsVd/PVd	PCz
N50	PCz/PVd	PP/2PBe	**N501**	RsCz/RsVd	PP/Paz
N51	PCz/PVd	Pvd	**N502**	RsCz/RsVd/PVd	RsLs/PM/PBe/PL
N52	PM	Raz/PVm	**N503**	RsCz/RsVd/PVd	PBe/RsRx
N53	PCZ/PVd	Ram	**N504**	PP/RsVd/PAz/PVd/PAm/PVd	RsVd/PAz/PRx/PAz/PL
N54	PVd	Pm	**N505**	PP/RsRx/RsVd	PVd/RsVd/PVd/2PRx
N55	PCz/PVd	PP/RsRx	**N506**	PCz/RsVd	RsM/PL/PM/PL
N56	Pvd/Rcz/PCz	RsP	**N507**	PCz,RM,RRs	PBe
N57	PVd/RCz/PVd	RsCz	**N508**	RCz,RVd	RsVd/PRx/RsLs/PL/PP
N58	PCz/RCz	RsP/RsRx	**N509**	PBe/RsRx	PVd/RsRx/PRx
N59	PCz/RsCz/PVd	PP/RsCz/RsP/PP/PL	**N510**	PP/RsRx/RsVd/PVd	PM/PBr/PM/Paz
N60	PCz	PP/RsCz/RsRx	**N511**	PP/RsRx/RsVd	RsAz
N61	PCz	PP/RsCz/PCz/RsRx/PLs/3PL	**N512**	PP/RsCz/PVd	RsVd/PP
N62	PCz	PP/RsCz/PP	**N513**	RCz,PVd	PVd
N63	5PCz	PCz/RsRx/PRx/PL/PBe	**N514**	RsVdcl/RsVd	RsVd
N64	PP/RsCz/PCz	PP/RsP/PP/RsRx/PRx	**N515**	RsVd/PVd	PAz/RsRx/PBr
N65	RsCz/2PCz/3PVd	RsCz/2PP/PL	**N516**	PBe/RsVd	PP/2PBe
N66	PP/RsCz/PCz	PP/RsRx	**N517**	PBe/RsVdcl	Pvd
N67	PCz/RsCz/PVd	PCz/RsRx/2PCz/PBe/PL	**N518**	NÃO TEM	NÃO TEM
N68	PP/RsCz	PP/RsRx	**N519**	PVd/RM/PVd	Ram
N69	RsCz/PCz/2PVd	RsRx/2PLs	**N520**	PCz	Pm
N70	PCz/RsCz	PRx/RsRx	**N521**	PP/RsVd/PAz/PVd	PP/RsRx
N71	PCz/RsCz/PCz/PVd	RsCz/2PP/PAz/RsBe/PRx/PP	**N522**	PM/PVdcl	RsP
N72	PP	PP/RsRx/3PCz	**N523**	PBe/RsRx	RsCz

N73	PCz/PVd	RsCz/PP	**N524**	PP/RsVd/PP	RsP/RsRx
N74	RsCz	RsP/RsRx	**N525**	PP/RsRx/RsVd	PP/RsCz/RsP/PP/PL
N75	RsCz/PVd	PP/RsBe/RsRx/PCz/PM/PP	**N526**	RsCz/RsVd/PVd	PP/RsCz/RsRx
N76	PVd/RsCz	PP/RsRx	**N527**	PP/RsRx/RsVd	PP/RsCz/PCz/RsRx/PLs/3PL
N77	RsVd	RsP	**N528**	PP/RsVd/PAz/PVd/PAm/PVd	PP/RsCz/PP
N78	PP/RsVd	RsP/2PP	**N529**	PM/PVdcl	PCz/RsRx/PRx/PL/PBe
N79	PP/RsVd/2PCz	RsP	**N530**	PM/RM	PP/RsP/PP/RsRx/PRx
N80	PP/RsVd/PCz	PP/RsRx	**N531**	2PP/RsVd/PVd	RsCz/2PP/PL
N81	PCz/RsCz/PCz	2PP	**N532**	2PP/RsVd/PCz	PP/RsRx
N82	PCz	RsRx/PRx	**N533**	RsCz/PVd	PCz/RsRx/2PCz/PBe/PL
N83	PVd/RsVd/PCz	RsP/RsCz/PCz/PAm/PBe	**N534**	RsCz/RsVd/3PVd	PP/RsRx
N84	PVd/RsCz/PCz	PP/RsP/PP	**N535**	PP/RsCz	RsRx/2PLs
N85	RsVd/PCz	RsCz/2PCz/2PVd/PL	**N536**	RsCZ/RsVd/2PVd	PRx/RsRx
N86	PP/RsVd	PCz/RsCz/RsRx	**N537**	RsP/RsVd/PCz/2PP/PCz	RsCz/2PP/PAz/RsBe/PRx/PP
N87	PCz/RsCz/PCz	PCz/PRx/RsCz/PP/RsCz/PBr/PM/PBe	**N538**	RsCz/Paz/RsVd/2PVd	PP/RsRx/3PCz
N88	PCz	PCz/RsCz/PCz	**N539**	PP/RsVd/PP	RsCz/PP
N89	PVd/RsVd/PCz/PVd	RsP/PP/PBe/PM	**N540**	RsAz	RsP/RsRx
N90	PP/RsCz	PP/RsCz/RsRx	**N541**	PCz	PP/RsBe/RsRx/PCz/PM/PP
N91	PVd/RsVd/PCz/PVd	RsCz/PM	**N542**	PCz/RsVd/PP	PP/RsRx
N92	PP/RsVd	PP/RsCz	**N543**	PP/RsCz/RsVd	Paz
N93	PVd/RsVd/PVd	RsCz/PVd/PCz/2PP	**N544**	RsCz/RsVd	RsVd/PRx
N94	PP/RsVd	PCz/RsCz	**N545**	RsVdcl	PRx
N95	PCz	PBe	**N546**	RsVd/PCz/PVd	RsBe/PL
N96	PVd	PCz/PBe	**N547**	PCz/RsVdcl/PVdcl	RsRx/PBr
N97	PCz/RsVd/PCz/PVd	RsL/RsBe/PM/PP	**N548**	PVd	PP/RsRx
N98	PCz/RsCz	PCz/RsRx	**N549**	PVd/RM/PVd	RsCz/PP
N99	PCz/PVd	2PCz/PAm/PVd	**N550**	PVd/Rbe/PCz	RsVd

N100	PVd/2PCz	PCz/RsCz/PRx/PVd	**N551**	PP/RCz	RsVd/PL/PM/PL
N101	PVd/RsCz/PCz	PCz/RsRx/2PCz/2PP/2PVd	**N552**	PCz/RsCz/PVd	RsVd/PRx
N102	PVd/PCz/Paz	PCz/RsCz/PCz/RsCz/PP	**N553**	PCz	PBe/RsVd/PL/PM/PL
N103	RsCz/PVd	RsCz/RsRx/PP	**N554**	PCz/RsCz/PVd	RsVd/RsRx/PRx
N104	RsVs/PCz/PVd	PP/RsRx	**N555**	PCz/RsCz	RsVd/PBr/2PM/2PL
N105	PVd/RsVd/PAz/RsVd/PCz	RsRx/PP	**N556**	PP	PVd/RsAz
N106	PP/RsCz/PP	PCz/RsRx/PP	**N557**	RsM/PVd	RsVd/PRx/RsLs/PL/PP
N107	PCz/PP	PCz/PL/PCz/2PP/2PL	**N558**	PM	PVd/RsRx/PRx
N108	PCz	PCz/RsCz	**N559**	PMcl	PM/PBr/PM/Paz
N109	3PCz	RsCz/PRx/2PP/PM/2PBe/PBr	**N560**	RA/PB/PRx	RsAz
N110	PCz	PP/RsCz	**N561**	PM/RM	RsM/RsRx/PVe/2PL
N111	RsCz/PCz	RsP/2PCz/PBr	**N562**	RM/Rbe	PRx
N112	PP/RsCz/2PCz/PVd	PP/RsP	**N563**	PM	RsVd/PRx
N113	PCz/RsCz/PVd/2PCz	RsCz/RsP/PP	**N564**	PP/RM	3Paz
N114	PCz/RsCz	PP/RsP/PRx	**N565**	PM/RCz	PVd/PAz/PL/PRx/PVe
N115	PCz/2PVd	PP/RsCz/PRx/PP	**N566**	RsCz/RsVd	PAz/2PVd
N116	PP/RsCz/PVd	PP/RsRx/PCz	**N567**	PM	PM/PP/PL/PP
N117	RsCz/2PCz	RsCz/3PCz	**N568**	PP/PCz	2PAz/PRx
N118	PP/RsCz/PCz	PP/RsCz/2PCz	**N569**	RsCz/RsVd/PVd	RsRx/PRx
N119	PCz/RsCz/4PCz/PVd	RsCz/2PM/2PL/2PM	**N570**	Pvd	PP/Paz
N120	PP/RsCz	PP/RsCz/2PCz	**N571**	RsCz/PP	RsLs/PM/PBe/PL
N121	RsCz/PVd/RsCz/3PCz	4PP/PBe	**N572**	RsCz/Paz	PBe/RsRx
N122	PVd	2PP/2PCz	**N573**	Pvd,Paz,Pvd	RsVd/PAz/PRx/PAz/PL
N123	RsVd/PVd/2PCz	RsP/RsRx/PP/PRx/PM	**N574**	PP/RsRx/RsVd	PVd/RsVd/PVd/2PRx
N124	PP/RsVd	PP/RsCz	**N575**	RsCz/RsVd/PVd	RsM/PL/PM/PL
N125	RsCz/PVd	RsCz/3PCz/PVd	**N576**	RsVd	PBe
N126	PCz/RsVd	PP/RsP/RsRx	**N577**	RsCz/RsVd/PVd	PP/RsCz/PAz/RsCz/PAz/PBr/PCz/2PAz/2PVd

N127	PVd/RsAz/PVd/RsCz/PCz	2PP/RsRx/PCz/PBe	**N578**	PP.Rsvd,RsBe	PCz
N128	PAz/PCz	2PP/RsCz	**N579**	PP,Rsvd	RsCz/PL
N129	2PVd	RsCz/PCz/PM/2PVd	**N580**	2PP,Rsvd,PP	PCz
N130	PVd/RsVd	RsRx/PP	**N581**	2PP,Rsvd,RsP	PBr/PL/PM/PRx
N131	RsM,PM	RsCz/PBe/PRx/PCz/PBr/PBe	**N582**	2PP,Rsvd,PP	Paz
N132	PCz,RsCz	PCz/RsCz/RsRx	**N583**	Pvd	PCz/RsVd/PAz/PL/PM
N133	RsCz,Paz	PP/RsCz	**N584**	PP,Rsvd	PAz/PM/2Paz
N134	PM,PVd,RsCz	Paz,Raz	**N585**	Pvd,Paz,Pvd	PCz
N135	RsVd,PM	RsCz/PBe/PRx/PCz/PBr/PBe	**N586**	PCz/RSCz/PCz	Paz
N136	PM,RsM	PBr/PVM	**N587**	RsAz/PAz/RsAz/3PVd/PCz	PCz/4PBe
N137	PCz,RsCz,PCz	PBr/RsAz/RsLs/PL/2PRx/PL	**N588**	RsCz/PVd/Paz	PCz/PBr/PCz
N138	PCz,RsM	RsAzcl/PBr/RsAzcl/RsAz	**N589**	RsCz/PP/RsCz/2PVd	PCz/RsAz/PAz/PBr/2PLs
N139	PM,RsCz,2PM,PCz	RsRo/PVecomAlorosa	**N590**	PP/RsCz	PP/RsAz/Paz
N140	PM,RsCz,PCz,2PM	PCz	**N591**	RsCz/Paz	PCz/RsVd/PCz
N141	RsCz,PM,2PCz	RsL/PVe	**N592**	RsCz/PP	RsBe/Paz/PRx/PP/PRx/PL
N142	PCz,RsCz,PM	PBr/PVM	**N593**	RsCz/PP	RsVd/PAz/PRx/PP/PRx
N143	PCz/RCz	RsCz/2PP/PL	**N594**	PP/RsRx/RsVd	PL/RsL/5PL
N144	PCz/RSm/PM	PP/RsRx	**N595**	PCz/RsVd	PVd/RsRx/RsVd
N145	RVd/Rbe/PVd	RsCz/PP	**N596**	PP,Rsvd	RsVd/RsL/PM/PL/PBe/PL
N146	PVd,PM/RM	RsP/RsRx	**N597**	PP,Rsvd	PAz/RsRx/RsVd
N147	Rcz/PM,RVd	RsP	**N598**	RsCz/PP/RsCz/2PVd	Pbe/RsVd/RsLs/PAz/2PL
N148	RCz,RVd	RsCz/PVd/PCz/2PP	**N599**	RsCz/PP	PAz/PM/2Paz
N149	Rcz/PRx,Raz	2PCz/PAm/PVd	**N600**	RsCz/RsVd/PVd	PCz
N150	Rbe/PCZ	PCz/RsCz/PCz/RsCz/PP	**N601**	PVd/PRx/RsVd	Paz
N151	RVd,2PVd	RsCz/RsRx/PP	**N602**	PCz	PCz/4PBe
N152	PM	PCZ,PRx	**N603**	PCz/RsVd	Paz
N153	PVd,RVd	Paz,Raz	**N604**	RsVd	PL/RsL

N154	PM	Rbe,PVd	**N605**	PP/RsCz	PBe
N155	RCz,2PVd	-	**N606**	PCz/RsVd	RsBe/PBr
N156	PM,RVd	PCz/RsCz/PCz/RsCz/PP	**N607**	PCz	RsRx/PAz/PL
N157	PM,RM	RsCz/RsRx/PP	**N608**	PP/RsCz/PVd	PM/RsL/PM/PBr/2PL
N158	não tem	não tem	**N609**	PVd/PRx/RsVd	PVd
N159	Rcz,PVd	RsRx/PP	**N610**	PP/RsRx/RsVd/PVd	PVd
N160	PM,RVd	-	**N611**	PP/RsRx/RsVd	PVd/PCz/PAz/PVd/PBr
N161	PCZ,RVd,PVd	Rbe,PVd	**N612**	PCz/RsVd	PL/RsL
N162	PM,RVd	PM/PAzcl/PCz	**N613**	RsCz/RsVd/PVd	PBe
N163	PM/RCz/PM	-	**N614**	PAm/PCz/RsVd/2PVd	RsM/PL
N164	PM,RVd,RCz	RsVd/2PRx	**N615**	RsVd	PM
N165	Pbe/PM,RCz	RsM/PBr	**N616**	PP/PCz	PVd/PM/RsRx/PBr
N166	PRx/Rbe	PBr	**N617**	PCz	PM
N167	RsCz/RsVd/2PCz	PM/PCz/PM/2PL	**N618**	PCz	PBr/PRx
N168	PP	PVd/RsRx	**N619**	PCz/RsVd	PBe/RsRx/RsAz/PBr/PAm/PL
N169	PCz/RsVd	RsAz/PRx/PBe	**N620**	PCz/RsVd	PVd/2PRx
N170	PCz	PAz/RsAz	**N621**	PCz/RsVd	RsBr/PVd
N171	PCz/RsVd/2PCz	RsL/PM/PL/PM	**N622**	PCz	Paz
N172	PCz/RsVd	RsVd	**N623**	PCz/RsVd	PL/RsL
N173	PP/RsVd/PVd	PBe/RsRx/PBr/PL	**N624**	PCz/RsVd	PBe
N174	PP	PCz/RsL/RsVd	**N625**	PCz/RsVd/PCz	RsM/PL
N175	PCz/RsVd/2PCz	PBr/RsAz/RsLs/PL/2PRx/PL	**N626**	PCz	-
N176	PP	PVd/RsRx/PRx/PVd	**N627**	PCz/RsVd	PM/PL
N177	PCz/PP	RsL/PL/2PRx	**N628**	PBe/RsAm/RsVd	Paz
N178	PP/RsCz	PVd/2PRx	**N629**	RsVd/PVd	PL/PBr/RsRx/RsL/PL
N179	PCz/RsVd/PVd	RsL/PRx/2PL/PRx	**N630**	RsVd	PAz/RsRx/PRx
N180	PP/RsVd	PBe/RsRx/RsCz/Paz	**N631**	PP/RsVd/PAz/PVd/PAm/PVd	PVd/PBr/RsVd/PAm/PBr/PAm/2PBr/2PAm

N181	PP/RsVd/PCz	RsCz/RsVd/2Paz	**N632**	PCz/RsVd	PRx/PVd/PRx
N182	PP/RsVd	PM/RsRx/2PRx	**N633**	PAm/PCz/RsVd/2PVd	RsL/PM/PL
N183	PCz/RsVd/PVd	PL/RsRx/PM/PRx/PL/PRx	**N634**	PCz/RsVd	PBe/RsRx/PBr
N184	PP/RsVd	RsVd	**N635**	PCz/RsVd	RsRx/PAz/PL
N185	RsCZ/RsVd/2PVd	RsL/PM/PL/Paz	**N636**	PCz/RsVd	PVd/RsRx
N186	PP/RsCz/RsVd	PM/PRx	**N637**	PCz/RsVd	PVd/PRx/RsVd/RsRx/PRx/PL
N187	RsVd/2PVd	PRx/RsVd/RsCz/PM/2PL/PBr/PVd	**N638**	PCz/RsVd	Paz/PRx/RsL
N188	PVd	PVd/PAz/PBr	**N639**	PCz/RsVd/PAm/2PVd	PM/RsL/PM/PBr/2PL
N189	PCz/RsVd/2PCz/2PVd	Pbe/RsRx/PAz/PL/2PBr	**N640**	PP/RsAm/RsVd	RsAz/RsRx
N190	PCz	RsCz/RsVd/PRx	**N641**	PP/RsAm/RsVd/PCz/PVd	PRx/PVd/PL
N191	RsCz/RsVd/2PCz	PBe/RsRx/PL	**N642**	PCz/RsVd	PVd
N192	PP	PCz/RsAz/RsVd/PL	**N643**	PCz/RsVd/PVd	PL/PAz/RsRx/RsL/PBr/2PL/PM/PL
N193	PCz/RsVd/PCz/RsVd/PCz	PCz/2PAz/PRx/PAm/PL/Paz	**N644**	PCz/RsVd	PVd/RsVd
N194	PCz	RsRx/Paz	**N645**	PCz/RsVd/PAz/RsVd/PAz/PVd	RsRx/RsAz/PBr/PLs
N195	RsVd/2PVd	RsM/PBr/RsM/PVe/PL	**N646**	PP/PCz/RsVd	PBe/RsVd/PRx/PAz/PRx
N196	PCz/RsVd/PCz	RsRx/PAz/PCz	**N647**	PP/RsVd/PVd	PBe/PVd/PRx/RsBe/RsL/2PL
N197	2PVd	RsVd/PRx/PLs/Paz	**N648**	PCz/RsVd	PVd
N198	PCz/RsVd	RsAz/2PRx	**N649**	PCz/RsVd/PVd	PL/RsVd/RsL/PL/PM/PL
N199	RsCz/RsVd/2PVd	RsM/RsVd/PBr	**N650**	PP/PCz	PVd/PCz/PAz/PVd/PBr
N200	PP/RsVd	3PAz/PVd/PBr	**N651**	PCz/RsVd/PCz	RsL/PRx/PL/PM/PL
N201	PVdcl/PVd	PBe/PBr/2PM/2Paz	**N652**	PP/PCz	PVd
N202	-	-	**N653**	RsCz/RsVd/PVd	3PRx/PVd/PRx
N203	RsVd/PCz	RsVd/RsRx/PBr/PL	**N654**	PCz/RsVd	RsAz/RsRx
N204	PCz/RsVd	RsAz/RsRx/PBr/PL	**N655**	PP/RsVd/PVd	RsL/PCz/PL/PP/PM/PL
N205	PCz/RsVd	RsVd/PAz/PL	**N656**	PCz/RsVd	4PVd/PM
N206	PCz/RsVd	3Paz	**N657**	PP/PCz	PVd/RsVd/2PVd
N207	RsVd/PVd	RsL/RsRx/2PL	**N658**	PCz	PP/2PVd

N208	PCz/RsVd	RsAz/PRx/RsRx/PBe	**N659**	PP/RsCz/RsVd	PVd/RsVd
N209	RsVd/PVd	RsL/4PRx/PM/3PL	**N660**	PP/RsCz/RsVd/PVd	PCz/RsVd/2PVd
N210	PP/RsVd/RsCz	PM/RsVd/RsM	**N661**	PRx/RsCz/RsVd	PVd
N211	RsVd/PCz/PP	RsBe/2PBr/PVd/PRx/PL	**N662**	RsCz/RsVd/2PP	RsCz/PBr/PL/PBr
N212	PCz/RsVd/PCz	2PBr	**N663**	PCz/RsVd	PP
N213	PCz/RsVd/PP	RsL/RsVd/2PL	**N664**	PCz/RsCz/PVd	RsVd/PRx/PM/2PVd/PLs
N214	PCz	PVd/RsRx/RsVd	**N665**	PCz	PVd/RsVd
N215	PM,RVd	PBe/RsVd/RsRx	**N666**	PCz/RsCz/PVd	PCz/PP/PRx
N216	PP/PCz	PP/RsAz/RsVd/PAm/PRx	**N667**	PCz/RsCz	PCz
N217	PP/RsCz/PP	PCz/RsRx/RsAz/PVd/PRx/PVd	**N668**	RA/PB/PRx	PP/2PL/PVd
N218	PP/RsCz	PP/RsP/PRx/RsP/PRx/Paz	**N669**	RsCz/RsVd	PVd
N219	PP/PVd/2PP	PCz/PP/RsRx	**N670**	RsCz/RsVd/PVd	PRx
N220	RsAz	RsAz,RsVd	**N671**	RsVd/PVd	PCz
N221	PP/PVd/2PP	PM,RSVd,Paz	**N672**	PCz	RsVd/PBe
N222	PP/RsVd	RSAZ,PVd,Rsvd	**N673**	RsCz/RsVd	PRx
N223	RsVd/PVd	PAz/RsRx/PAz/RsRx/2PRx/PL	**N674**	PP/RsCz/RsVd	RsBe/PL
N224	PP/PCz/PP	2PCz/2PAz/PVd	**N675**	PP/RsCz/RsVd/PVd	RsRx/PBr
N225	RsCz/RsVd/PCz/PP/PVd	PP/RsVd/PVd/PLs	**N676**	PP/PCz/RsVd	PP/RsRx
N226	2PVd	PVd/RsVd	**N677**	PP/RsCz/PP/PVd	PVd
N227	PAz/PRx/2PAz	PVd	**N678**	PP/RsCz/PVd	PVd/RsVd
N228	PAz/PCz	PCz/2PVd/PCz	**N679**	RsP/RsVd/PVd	PVd
N229	RsM/PVd	4PVd/PM	**N680**	PP/RsP/RsCz	RsVd
N230	PP/RsVd/PP	RsAz/2PLs/PL/PBe/3PL	**N681**	RsCz/RsVd/PVd	PM,RCz
N231	PM,RsM,PCz	PAz/RsRx/PBr/RsVd	**N682**	PVd	PM,RCz
N232	PP/PCz/RsVd/PVd/RsVd/PVd	RsVd/RsLs/PVd/RsLs/2PRx/2PL	**N683**	2PCz	PBe/RsRx
N233	PCz/RsVd/PP	PAz/RsRx/PVd/2PRx/PVd/Paz	**N684**	RsVd/2PVd	PP/RsP/RsRx/PRx/PAz/PM/2PL
N234	PCz/RsVd	RsVd/RsLs/PLs/3PL	**N685**	PP/RsVd/PVd	PVd/RsVd/Paz

N235	PM,PVd,RRx	PVd/RsVd	**N686**	PVd/Paz	RsP/PAz/PL/PVd/PL
N236	PCz/RsCz	PAz/PBe/RsVd/RsLs/PRX/PL/PRx/PP/2PL	**N687**	PCz	PBe/RsM/PAz/PCz
N237	PP/RsCz/PCz/RsVd	RsAz/PVd/RsVd/PRx	**N688**	PVd/RsVd	PAz/RsAz/PVd/PAz/PBe/PAz/PVe
N238	PP/RsCz	RsVd/RsAz/PVd/PBe/PBr	**N689**	PVd/RsVd	PAz/RsAz/RsVd
N239	PP/RsCz/PVd/3PCz	3Paz	**N690**	PVd/RsVd/PVd	PL/RsAz/RsRx/PAz/PL/PAz/PM/PVe
N240	PP/RsCz	RsL/PM/PL	**N691**	PVd	PBe/RsRx/RsVd
N241	PP/RsP/RsCz	PBe/RsRx/PBr	**N692**	RsVd	RsVd/RsAz/Paz/2PVd/PRx
N242	PP/RsVd/PP	RsRx/PAz/PL	**N693**	PCz/RsVd/2PVd	PM/RsRx/RsP/RsRx
N243	PM,RsM,PCz	PVd/RsRx	**N694**	PCz/RsCz/PVd	RsP/PAz/PRx
N244	RsCz,PM,RsBe	PVd/PRx/RsVd/RsRx/PRx/PL	**N695**	PCz	PVd/PAz/PM
N245	RCZ,PM,2PVd	Paz/PRx/RsL	**N696**	RA/PB/PRx	PL/RsVd/PBe/2PL
N246	PM,RVd,RCZ	PM/RsL/PM/PBr/2PL	**N697**	PCz	PVd/RsVd
N247	PM, RCz/RVd	RsAz/RsRx	**N698**	PP/PCz/RsVd	PL/RsL/PL/PM
N248	Pm,RVd	PRx/PVd/PL	**N699**	PP/RsCz/PVd	PVd/RsVd
N249	RCZ,PM,2PVd	PRx	**N700**		RsAz/2PRx/Paz
N250	PVd,RM	Paz/PRx/RsL	**N701**	RA/PB/PRx	RsAz/PRs/PL
N251	PCZ,RSm,PVd	RsP	**N702**	PCz/RsVd	PBr/RsAz
N252	PP/RsCz	PP/PAz/RsRx/PRx	**N703**	PCz/PM/RsVd	RsBe/PL
N253	PCz/RsVd/PCz/PP	PRx/RsVd/PAz/PL/PVd/PL/PVd	**N704**	PP/RM	RsRx/PBr
N254	PCz	PRx	**N705**	RsCz/PP/RsCz/2PVd	RsP/PAz/PRx
N255	RsCz/2PCz/PVd	RsVd/PRx/PAz/PM/PVe	**N706**	PCz	PVd/RsVd
N256	PP/RsCz/PCz/RsVd	RsVd/PRx	**N707**	PCz/RsVd	PBr/RsAz
N257	RsCz/PCz/PVd	RsAz/PM/PAz/PM/PVe	**N708**	RsVd/PBe	RsVd
N258	PP/RsCz/RsVd	RsRx/RsVd	**N709**	PVd/RsVd/PVd	PM,RCz
N259	PP/PAz/RsCz/RsVd	PBe/PVd/PRx/RsAz/PAz/PVd	**N710**	PVd/RsVd	RsVd/PP
N260	PCz/RsCz	2PAz/RsVd/PBr	**N711**	PCz/RsVd	PVd
N261	RsP/RsVd/2PCz	RsP	**N712**	PP/RsCz	RsVd

N262	PP/RsCz/PVd	RsVd	**N713**	PP/RsCz/2PVd/2PRx	PAz/RsRx/PBr
N263	RsCz/RsVd/PVd/PCz	PP/PVd	**N714**	RsVd/PCz/PP	RsBe/PL
N264	PCz/RsVd/PVd	PVd/RsRx/PRx	**N715**	PP/RsCz/PCz	RsRx/PBr
N265	RsCz/RsVd/PCz	RsRx/RsVd/PVd/PRx/PVd	**N716**	RsP/RsVd/PCz/RsVd/PCz	RsVd/RsAz/PL
N266	PCz/RsVd	RsVd/PRx	**N717**	RsCz/RsVd/2PCz	PCz/PRx
N267	RsCz/PCz/PP	RsVd/3PVd/2PRx/PLs	**N718**	RsCz/PP/RsCz/2PVd	PM,RCz
N268	PCz/RsCz	PVd/RsVd	**N719**	RsM/2PCz/PVd	RsBe/RsVd/PRx/PP/PL
N269	PCz/PP/PVd	RsL/RsVd/PL/PP/PBr/PL	**N720**	PB/PA	RsVd/2PRx
N270	PP	RsVd/RsRx	**N721**	PP/RM	RsVd
N271	RsCz/RsVd/PCz/PP/PVd	RsVd/PRx/PP/PL	**N722**	PM/RVd/RM	PCz
N272	PP/RsVd	PRx/RsVd/PVd	**N723**	PM/RCz	PM,RCz
N273	PCz/RsVd/PP	PL/RsVd/PRx/PP/PLs	**N724**	PP/PCz	RsAz/Paz
N274	PCz	PVd/RsVd/2PVd	**N725**	RsVd	PL
N275	2PCz/PP	RsVd/RsRx/PVd/PRx/PVd/RsRx	**N726**	PCz/RsVd	PVd
N276	PVd/RsVd/RsCz/PCz	RsRx/RsVd	**N727**	RsVd	RsRx/PAz/PL/2PBr
N277	RsVd/PVd	RsVd/RsRx/PLs/PBr/2PL/PP/PL	**N728**	PCz	PVd/Paz
N278	PVd/RsVd	RsAz/RsVd	**N729**	RsVd/PVd	PBe/RsBe/RsAz/PBe/PL
N279	RsVd/PVd	RsAz/PVd/RsAz/RsRx/PRx/PLs/3PL/PBe	**N730**	PCz/RsVd	RsVd
N280	PVd/RsVd	PVd/RsAz/PVd/RsVd/PRx/PAz/PVd	**N731**	RsVd	RsRx/PAz/PLs
N281	RsVd	RsVd/Paz/RsVd/PRx/Paz/PLs/PRx/PM/2PBe/PL	**N732**	PCz	PCz/PRx
N282	PVd	RsAz/RsVd	**N733**	RsVd/PVd	RsL/PL
N283	RsVd/PVd	PVd/RsAz/RsRx/PAz/PL/PM/2PAz/PL	**N734**	PCz/RsVd	PCz/PRx
N284	NÃO TEM	NÃO TEM	**N735**	RsVd/PP/PCz	PVd/RsBe/2PL/PLs/PM/2PL
N285	RsVd	RsAz/PVd/PRx/PAz/PRx/2PVd/PRx/2PL/PBr	**N736**	PVd/RsVd	PVd/RsVd/PBr
N286	RsVd	RsRx/PBe/RsRx	**N737**	RsVd/PCz/PVd	RsBe/RsVd/PRx/PP/PL/2PRx
N287	RsVd/PVd	RsVd/RsBe/PL/2PM/2PL	**N738**	PVd/RsVd	RsVd/PP
N288	PVd/RsVd	PAz/RsRx/PLs	**N739**	PVd/RsVd/PVd	PL/RsVd/PBe/2PL

N289	4PVd	RsRx/PRx/PAz/PRx/PAz/2PL/PRx	**N740**	PCz/RsVd	PVd/RsVd
N290	PCz/RsVd	PAz/RsAz/RsRx/PAz/PRx/Paz	**N741**	RsVd/PVd	PL/RsL/PL/PM
N291	RsVd/PVd/PCz/2PVd	RsVd/RsAz/PRx/PAz/3PL	**N742**	PVd	PVd/RsVd
N292	PCz/PVd	PVd/RsAz/PRx/PVd/PRx/Paz	**N743**	RsVd/PVd	RsBe/2PL
N293	PCz/PVd	PL/RsLs/PRx/PVd/PL/PLs/PM/PL	**N744**	RsVd	PRx/RsVd
N294	PP/PCz/RsVd	PP/PVd/PRx/RsVd/2PRx	**N745**	PCz/RsVd/2PCz/PVd	RsVd/RsRx/PL
N295	RsVd/2PCz/PVd	PL/RsVd/RsRx/2PVd/PLs/PVd/PM/PL	**N746**	PP/RsVd	PCz/RsVd/PCz
N296	PP/RsVd	RsRx/PVd/RsM/PRx	**N747**	PCz/RsVd/2PVd	RsBe/Paz/PRx/PP/PRx/PL
N297	RsVd	RsVd/PRx/PVd/PRx/PL	**N748**	PCz/RsVd	RsVd/PAz/PRx/PP/PRx
N298	PCz/RsVd	PRx	**N749**	RsVd/PVd	PL/RsL/5PL
N299	PVd/PCz/PVd/PCz/RsVd/PCz/PVd/PAz/2PCz	2PRx/PVd/RsRx/PVd/PRx/PVd	**N750**	PCz/RsVd	PVd/RsRx/RsVd
N300	PP/PCz	PRx/RsRx/PBe/PRx/PVd/PRx/PP/PRx/	**N751**	RsVd/PCz/PP	RsVd/RsL/PM/PL/PBe/PL
N301	PVd/RsVd/2PVd	RsAz/PRx/PAz/PBe/2PVe/2PAm/PM/PL	**N752**	RsVd	PAz/RsRx/RsVd
N302	PVd/RsVd/PVd	RsRx/PAz/RsVd/PP/PAz/RsVd	**N753**	RsVd/2PVd	Pbe/RsVd/RsLs/PAz/2PL
N303	PCz/PVd/PCz/PAz/PVd	PM/RsVd/RsRx/PAz/PVd	**N754**	PP/RsVd	PCz/RsVd
N304	PCz/3PVd	PBe/RsVd/RsRx	**N755**	RsVd/PVdcl	PCz/PLs/Paz
N305	PCz/RsVd/PVd	PRx/PAz/2PVd/RsRx/PRx/PAm/2PL/PP/2PBr/2PL	**N756**	PVd/RsVd	PVd/PRx/RsRx/RsVd/PCz
N306	PCz/PP/RsVd	PP/RsAz/RsVd/PAm/PRx	**N757**	RsVd/PVd/RsVd	PBe/RsVd/RsRx/PLs/2PRx
N307	PCz/PVd	PM/RsRx/RsAz/PRx/PVd/PL/2PRx/PM/2PVe/PVd	**N758**	PCz/RsVd	RsVd/PRx
N308	PVd/RsVd	PCz/RsRx/RsAz/PVd/PRx/PVd	**N759**	PCz/RsVd/2PCz	2PBe/RsVd/2PVd/PL
N309	RsVd/PVd/PCz	PCz/RsRx/RsAz/PAz/RsVd/PAz/PVd	**N760**	PVd/RsVd	PAz/RsAz/RsRx
N310	PP/PVd	PCz/PAz/RsP/PVd/RsP/RsVd/PP/PAz/2PRx	**N761**	RsVd/PVd	RsVd/PM/PBe
N311	RsVd/Paz	RsP/PRx/RsP/PRx/PP/3Paz	**N762**	RsVd	PAz/RsAz/RsVd
N312	PP/RsCz/RsVd/PAz	PP/RsP/PRx/RsP/PRx/Paz	**N763**	RsVd/PVd	PL/RsBe/PVd/PL/PM/PL
N313	PVd/RsVd/PVd	RsRx/PVd/PLs/2PVd/PLs	**N764**	RsVd	PAz/RsAz/RsVd
N314	PVd/RsVd	PCz/PP/RsRx	**N765**	RsVd/PCz/PVd/2Paz	RsM/PRx/RsAz/PRx/PBr
N315	PCz/RsVd/2PVd	RsVd/PBr/4PLs	**N766**	PP/RsVd	RsVd/2PRx

N316	2PCz/RsVd	3PVd/RsVd/RsRx/PVd	**N767**	RsVd/PAz/2PVd	RsM/PRx/PAz/PM/PBe/PL/2PAz
N317	PVd/PP/RsVd/2PVd/2PCz	RsRx/PLs/2PVd	**N768**	PP/RsVd	RsVd
N318	PVd	PCz/RsVd	**N769**	RsVd/PVd	PL/RsVd/PRx/PL/PM/PL/PBr/PRx
N319	RsCz/RsVd/2PAz	PCz/RsVd/2PBr	**N770**	PCz/RsVd	PVd/RsVd/PRx
N320	PCz/RsVd	PCz/RsVd/PVd	**N771**	RsVd/3PVd	RsVd/RsRx/Paz/PRx/3PL
N321	NÃO TEM	NÃO TEM	**N772**	PVd/RsVd	PBe/RsAz/PVd/PRx/Paz
N322	PP/RsVd	PCz/RsRx/PVd	**N773**	RsVd/PVd	RsBe/PAz/2PL
N323	RsVd/PCz	2PVd/2PLs	**N774**	PVd/RsVd	PRx/RsRx/RsVd
N324	PCz/RsCz	PVd/PRx	**N775**	RsVd/2PVd	2PRs
N325	RsVd/PVd	2PVd/PRx/PVd/PLs	**N776**	PVd/RsVd	Paz
N326	RsVd/PVd	RsAz/PBr/RsRx/PVd/PL	**N777**	PCz/RsVd/PCz/PAz/2PCz	RsVd/RsRx/PAm/PRx/PBr/Paz
N327	RsVd	RsVd/RsAz/PL/2PAz/PL	**N778**	RsVd	RsAz/RsVd/PVd
N328	PVd/RsVd	RsVd/RsAz/RsRx/PL	**N779**	PCz/RsVd/2PCz/PVd	PBe/PVd/RsRx/PAz/PLs/2PL
N329	RsVd/5PVd	PAz/RsAz/PVd/PRx/PBr/PL/PAz/PL	**N780**	PVd/RsVd	Pbe/RsAz/PVd/PRx
N330	PVd/RsVd/3PVd	RsAz/PBe/PRx/PVd/RsRx/PL	**N781**	RsVd/2PVd/PCz/PVd	PAz/RsVd/PAz/PRx/RsAz/PL/PBr
N331	PVd/RsVd/2PVd	PBe/RsRx/PRx/PL/PM/PL	**N782**	PVd/RsVd	RsVd
N332	PVd/RsVd/PVd	PCz/PAz/PVd/PRx/PVd/RsRx/PVd/PAz/PL	**N783**	RsVd/2PVd/Paz	PAz/PRx/RsVd/PRx/PBe/PVd/2PM/PVe
N333	PVd/RsVd/PVd	PL/RsRx/RsAz/PAz/PL/PAz/PL	**N784**	PVd/RsVd	Paz/RsRx
N334	PVd/RsVd/PVd	PCz/RsAz/PAz/PRx/PAz/PVd	**N785**	RsVd/2PVd	RsL/PBr/PM/PL/PM/PL
N335	PVd/RsVd/PVd	PM/RsBe/PBe/PM	**N786**	PVd/RsVd/PVd	PRx/RsVd/PRx/Paz
N336	PCz/RsVd/2PVd	PVd/PAz/PRx/PBe/Paz	**N787**	RsVd/2PVd	RsL/PM/PL/PM/PL
N337	PCz/RsVd	PVd/RsRx/Paz	**N788**	PVd	PVd/RsRx/PRx
N338	PCz/RsVd	PBe/RsRx/RsVd/PRx	**N789**	RsVd/2PVd	RsAz/PAz/RsAz/PRx/PAz/PBr/PL/2PBr
N339	PCz/RsVd/PVd	PVd/RsAz/PVd/RsAz/PRx/PBe/2PL/PM/2PVd/PL	**N790**	PVd/RsVd	RsAz/Paz/2PRx
N340	PCz/RsVd	PVd/RsRx/PVd/RsVd/RsRx	**N791**	RsVd/PVd	RsVd/PAz/PLs/PM/PL
N341	RsCz/RsVd/2PVd	RsM/PAz/2PLs	**N792**	PVd/RsVd	RsVd/PRx
N342	PP/RsVd	PCz/2PRx	**N793**	RsVd/3PVd	RsVd/PAz/PRx/PAz/PBe/PM/PL

N343	PCz/RsVd/PVd/PCz/PVd	PRx/PAz/PRx/PAz/2PM/2PL	**N794**	PVd/RsVd/PVd	RsAz/PAz/PRx/Paz
N344	PCz	RsRx	**N795**	RsVd/PAz/PVd/RsVd/PAz/PVd	RsAz/PRx/PBr/2PRx/PAz/PRx/PBr/PM/PL
N345	PCz/RsVd/PCz	RsAz/PVd/PLs/PAz/PM/PVd	**N796**	PVd/RsVd/PVd/RsVd/PAz	PVd/PRx/RsVd/RsRx/PBr
N346	PCz	PVd/3PRx	**N797**	PVd/RsVd/2PVd	RsM/PLs/PL/Paz
N347	PCz/RsVd	RsM/PAz/PRx/PVd	**N798**	PVd/RsVd	PVd/RsVd
N348	PCz	PVd	**N799**	RsVd/PVdcl/PVd/RsVd/PVdcl	RsVd/PVd/2PRx/PVd/PRx/PL/PBr
N349	RsCz/PCz	PM/PAz/PP/PVd/PLs/PVd	**N800**	PM/RsVd	RsVd/RsRx/PVd/PRx/PVd/PRx
N350	PVd/RsVd	RsRx/PRx	**N801**	RsVd/2PVd	RsM/PVd/PLs/PRx/PM/PL/PM/PL/PLs
N351	RsVd/PVd/PCz	RsRx/RsVd/PVd	**N802**	PCz/RsVd/PVd	PVd/RsRx/PRx
N352	PVd/RsVd	PAz/RsRx	**N803**	PVd/RsVd/PVd	PM/RsVd/PBe/PM
N353	PVd/RsVd	RsP/RsAz/3Paz	**N804**	PVd/RsVd	PAz/RsRx/PVd/PRx/
N354	PVd/RsVd	PBe/RsRx/PRx	**N805**	RsVd/2PVd	RsM/PAz/PRx/PM/PL
N355	RsVd	RsRx/PRx/2PL/PAz/PL	**N806**	PP/RsVd	PP/RsRx
N356	PP/RsVd	PM/RsRx/PRx/Paz	**N807**	PVd/RsVd/PVd	RsAz/PBr/2PL/2PVd/2PL
N357	PVd/RsVd/PVd	PRx/RsLs/PBe/PRx/PM/2PLs/PL	**N808**	PVd/RsVd	RsVd
N358	PCz/RsVd	PCz/PVd/RsAz/RsVd/Paz	**N809**	RsVd/2PVd	RsVd/PRx/PP/2PL/PM
N359	PVd	RsVd/PLs/2PL	**N810**	PVd/RsVd/3PVd	RsVd/PVd/PRx/RsVd/PRx/PAz
N360	PCz	2Paz	**N811**	RsVd/4PVd	PL/RsVd/PBr/PLs/PM/2PL
N361	PCz/RsVd/PVd	RsVd/RsRx/PP/2PL	**N812**	PP/RsVd	PCz/RsVd
N362	PVd	PAz/RsAz/PRx/PVd/RsRx/RsVd	**N813**	RsVd/2PVd	RsM/PL/PBr/PL
N363	PCz/RsVd	RsLs/PRx/PLs/PL	**N814**	PVd/RsVd	PCz/PVd
N364	PP/RsVd	PAz/PP/RsVd/PRx	**N815**	PVd/RsVd/PVd	RsVd/PL/PM/PL
N365	PCz/RsVd/PVd/RsVd/PVd	RsAz/PBr/PAz/PRx/2PAz/PRx/PL/PM	**N816**	PCz/RsVd	RsVd/PRx
N366	PP/RsVd	RsAz/PBr/PP/PRx/RsRx/PVd	**N817**	PVd/RsVd/PVd	PBe/RsVd/PL/PM/PL
N367	PCz/RsVd	RsVd/PVd/RsVd/PRx/2PAz/PVd/PL	**N818**	RsVd	RsVd/RsRx/PRx
N368	PP/RsVd	RsAz/PBr/PRx	**N819**	RsVd/4PVd	RsVd/PBr/2PM/2PL
N369	RsVd	RsAz/2PLs/PL/PBe/3PL	**N820**	PVd/RsVd	PVd/RsAz

N370	PP/RsVd	PAz/RsRx/PBr/RsVd	**N821**	RsVd/PVd	RsVd/PRx/RsLs/PL/PP
N371	PCz/RsVd/PVd	RsVd/RsLs/PVd/RsLs/2PRx/2PL	**N822**	PVd/RsVd	PVd/RsRx/PRx
N372	PP/RsVd	PAz/RsRx/PVd/2PRx/PVd/Paz	**N823**	PVd/RsVd/PVd	PM/PBr/PM/Paz
N373	PCz/RsVd/PVd	RsVd/RsLs/PLs/3PL	**N824**	PVd/RsVd	RsAz
N374	PVd	PVd/RsVd	**N825**	RsVd/2PVd	RsM/RsRx/PVe/2PL
N375	PCz/RsAz/RsVd/PVd/PAz/PVdcl/PVd	PAz/PBe/RsVd/RsLs/PRX/PL/PRx/PP/2PL	**N826**	PP/RsVd	PRx
N376	PCz/RsAz/PVd/PAz	RsAz/PVd/RsVd/PRx	**N827**	RsVd/PVd	PAz/PBr/PLs
N377	PCz/RsCz/RsVd/PCz/PAz/PVd	RsVd/RsAz/PVd/PBe/PBr	**N828**	PVd/RsVd	RsRx
N378	PCz	3Paz	**N829**	RsVd/2PVd	RsM/2PAz/PRx/PL/PM/PL
N379	2PCz	PVd/PAz/PL/PRx/PVe	**N830**	PVd/RsVd/2PVd	RsAz/PP/PRx
N380	2PCz	PAz/2PVd	**N831**	RsVd/PVd	2PL
N381	PCz/RsVd/PCz/PVd	PM/PP/PL/PP	**N832**	PVd/RsVd	PVd
N382	PCz/PVd	2PAz/PRx	**N833**	PVd/RsVd/PVd	PL/RsAm/PAm/PL/PM/PL
N383	RsCz/RsVd/2PCz	RsRx/PRx	**N834**	PP/RsVd	PCz/RsVd
N384	PP/RsCz	PP/Paz	**N835**	PVd/RsVd/2PVd	PAm/RsVd/2PVd/PLs/PL/2PBr
N385	2PCz/PP	RsLs/PM/PBe/PL	**N836**	PP/RsVd/2PVd	PVd/RsVd/PRx/PBr
N386	PP	PBe/RsRx	**N837**	RsVd/2PVd	RsVd/PAz/PL
N387	PP/RsVd/PCz/PVd	PP/RsP/RsRx/PRx/PAz/PM/2PL	**N838**	PVd/RsVd/PVd	RsVd/PVd/PRx
N388	PCz/RsVd	PVd/RsVd/Paz	**N839**	PVd/RsVd/PVd	RsBe/RsBr/PL
N389	RsCz/RsVd/PVd	RsP/PAz/PL/PVd/PL	**N840**	PVd	PVd/RsVd/RsRx
N390	PP/RsCz/RsVd	PBe/RsM/PAz/PCz	**N841**	RsVd/2PVd	RsP/PM
N391	RsCz/2PVd/PCz/PVd	PAz/RsAz/PVd/PAz/PBe/PAz/PVe	**N842**	PVd	PVd/Paz
N392	PP/RsCz/PVd	PAz/RsAz/RsVd	**N843**	RsVd/2PVd	RsM/RsLs/PL/PBr
N393	RsCz/PVd	PL/RsAz/RsRx/PAz/PL/PAz/PM/PVe	**N844**	PVd/RsVd	PBe/PP/2PAz/PVd
N394	PP/RsCz/PVd	PBe/RsRx/RsVd	**N845**	RsVd/3PVd	PL/RsAz/PVd/RsAz/PAz/PBr/Pve
N395	RsCz/RsVd/PCz/2PVd	RsVd/RsAz/Paz/2PVd/PRx	**N846**	PVd/RsVd	PVd/RsVd
N396	PP/RsCz/PCz	PM/RsRx/RsP/RsRx	**N847**	RsVd/PVd	RsL/PLs/PM/PL

N397	RsCz/2PCz	RsP/PAz/PRx	**N848**	PVd/RsVd	PVd/RsAz/PAz/PRx
N398	PP/RsVd	PVd/PAz/PM	**N849**	PVd/RsVd/2PVd	PM/RsVd/Paz/PLs/PM/PL/PLs/PM/PL
N399	PP/RsCz/RsVd	PL/RsAz/RsLs/PRx/PAz/PL/PM	**N850**	PVd/RsVd	PVd/RsVd/PRx/PVd/PRx
N400	RsP/RsVd/2PVd/PCz	PVd/Paz	**N851**	RsVd/2PVd	PL/RsM/RsL/2PL
N401	PP/RsCz/3PVd	RsVd	**N852**	PVd/RsVd/PVd	PVd/RsAz
N402	2PCz	RsAz/RsLs/PM/PVe	**N853**	RsVd/PVd	RsVd/2PVd/PRx/PVd/PLs/2PL
N403	RsP/RsVd/PVd	PBe/RsRx/RsAz/PBr/PAm/PL	**N854**	PVd/RsVd	PP/RsVd/PAz/PRx
N404	PP/RsVd/PCz	PVd	**N855**	RsVd/PVd	RsBe/PBe/2PL
N405	PAz/PCz/RsVd	RsRx/PRx	**N856**	PVd/RsVd	Paz
N406	NÃO TEM	NÃO TEM	**N857**	PCz/RsVd/2PVd	RsL/RsRx/PM/PLs/PBr/PM/2PL
N407	RsP/RsVd	RsVd	**N858**	PCz/RsVd	RsVd/PRx
N408	PCz/RsVd/PCz/PP	PM,RCz	**N859**	RsVd/3PVd	PRx/RsVd/2PRx/4PL
N409	PCz	RsVd/PP	**N860**	PVd/RsVd	RsVd/3PRx/Paz
N410	PCz/RsVd	PVd	**N861**	RsVd/PAz/RsVd/PAz/PVd	RsP/RsAz/PBr/2PAz/PBr/2PAz/PLs
N411	PAz/RsAz/RsVd	RsVd	**N862**	PCz/RsVd	RsAz/PAz/PRx/PAz/PRx
N412	RsP/RsVd/PVd	PAz/RsRx/PBr	**N863**	RsVd/PVd	RsM/PVe/PM/2PL
N413	RsM/2PCz/PVd	RsBe/PL	**N864**	PCz/RsVD	PVd/RsRx
N414	PAz/RsAz/RsVd	RsRx/PBr	**N865**	RsVd/3PVd	RsVd/PAz/PRx/PAz/PL
N415	PP/RsVd/PCz	RsVd/RsAz/PL	**N866**	PCz/RsVd	PVd/RsVd/PVd/2PRx
N416	PM,RM	PCz/PRx	**N867**	PCz/RsVd/2PVd	RsM/PL/PM/PL
N417	PP/RsVd/PCz	PM,RCz	**N868**	PP/RsCz	PBe
N418	PAz/PCz/RsVd	Paz/PRx/RsL	**N869**	PP/RsCz/2PVd/2PRx	PP/RsCz/PAz/RsCz/PAz/PBr/PCz/2PAz/2PVd
N419	PAz/PCz	PM/PP/PL/PP	**N870**	PCz	PCz
N420	PCz	2PAz/PRx	**N871**	RsCz/2PCz	RsCz/PL
N421	RsM/2PCz/PVd	RsRx/PRx	**N872**	PCz	PCz
N422	PP/RsVd/PCz	PP/Paz	**N873**	RsCz/PCz/PVd	PBr/PL/PM/PRx
N423	PBe/RsRx	PBe/RsRx/RsAz	**N874**	PCz	Paz

N424	PAz/PCz	PVd/PBr/RsVd/PAm/PBr/PAm/2PBr/2PAm	**N875**	RsCz/PCz/PVd	PCz/RsVd/PAz/PL/PM
N425	PP/RsVd/PCz	PRx/PVd/PRx	**N876**	PVd	PAz/PM/2Paz
N426	PAz/PCz	RsL/PM/PL	**N877**	RsCz/PCz/PVd/2Paz	PCz
N427	RsVd/PVd	PBe/RsRx/PBr	**N878**	PCz	Paz
N428	PCz	RsRx/PAz/PL	**N879**	RsCz/5PCz	PCz/4PBe
N429	PCz	PVd/RsRx	**N880**	PVd/RsCz/PVd	PCz/PBr/PCz
N430	PP/RsCz/PP/PVd	PVd/PRx/RsVd/RsRx/PRx/PL	**N881**	PCz/RsCz/2PCz	PCz/RsAz/PAz/PBr/2PLs
N431	PP/RsCz/PVd	Paz/PRx/RsL	**N882**	PP/RsCz	PP/RsAz/Paz
N432	RsP/PAz/RsVd/PCz/PAz	PM/RsL/PM/PBr/2PL	**N883**	PCz/RsCz/2PCz	PCz/PBr/PL
N433	PP/RsCz/RsVd/PVd/PP	RsAz/RsRx	**N884**	PVd/PP/RsCz	PVd/RsAz
N434	RsCz	PRx/PVd/PL	**N885**	3PCz/PVd/PCz	RsCz/PAz/PL
N435	RsCz/2PVd	PVd	**N886**	PCz/RsCz	-
N436	RsCz/2PCz	PL/PAz/RsRx/RsL/PBr/2PL/PM/PL	**N887**	RsCz/PVd	RsBr/PAz/PBr/PM
N437	PCz/RSCz/PCz	PVd/RsVd	**N888**	PVd/RsCz	PCz/RsAz/PBr
N438	RsCz	RsRx/RsAz/PBr/PLs	**N889**	PCz/RsCz/PCz/PVd/2PCz	2PM/PP
N439	RsCz/PVd/PAz	PBe/RsVd/PRx/PAz/PRx	**N890**	PP/RsCz/PCz	PCz/PBr
N440	PP/RsCz	PBe/PVd/PRx/RsBe/RsL/2PL	**N891**	RsCz/2PCz/3PVd	PAz/PCz/3PM
N441	PP	PVd	**N892**	PVd/RsCz	PCz/RsVd/RsAz
N442	RsCz	PL/RsVd/RsL/PL/PM/PL	**N893**	3PCz/2PVd	PVd/PCz/PL/2PBr/PL
N443	RsVd/PVd	PVd/PCz/PAz/PVd/PBr	**N894**	PVd/PCz	PVd/RsVd
N444	PP	PCz/RsCz/PCz	**N895**	RsCz/PAz/PCz/PAzcl	PCz/PVd/RsCz/RsAz/PRx/PVd
N445	PM/RVd/PVd	RsP/PP/PBe/PM	**N896**	PP	PP
N446	PCz	PP/RsCz/RsRx	**N897**	PCz/PAz/RsCz/PAz/PCz/PAz/PCz/PVd	PBe/PVd/RsVd/PVd/RsVd/PL/PAz/PP/2PL
N447	PP/RsCz/PVd	RsCz/PM	**N898**	PCz/RsCz/Paz	RsVd
N448	RsCz/2PVd	PP/RsCz	**N899**	PCz/PVd	2PM/PP
N449	Paz	RsCz/PVd/PCz/2PP	**N900**	PVd	PCz/RsCz
N450	PCz/RsVd/PAz/RsVd/2PVd	PCz/RsCz	**N901**	RsVd/RsCz/2PVd	RsCz/PCz

N451	2PCz/RsVd/PVd	PBe	**N902**	PP/RsCz	PCz
N452	PP/RsVd	PCz/PBe	**N903**	2PCz	PCz
N453	PP/RsVd/PCz	RsL/RsBe/PM/PP	**N904**	PVd	RsAz
N454	PP/RsCz/PAz/RsVd/2PP	PCz/RsRx	**N905**	PBe/RsVd	RsAz/PBr
N455	PAz/PCz/RsVd	2PCz/PAm/PVd	**N906**	PVd	-
N456	RsM/PVd	PCz/RsCz/PRx/PVd	**N907**	PBe/RsVd	PBr/RsRs/PVe
N457	PM,RCz	PCz/RsRx/2PCz/2PP/2PVd	**N908**	PVd	Paz
N458	RsAz/PVd/RsAz/PVd	PCz/RsCz/PCz/RsCz/PP	**N909**	PBe/RsVd	PVe
N459	PVd/PM/PVd/PM/RsAz/2PAz/PBe/PM/PBe	RsCz/RsRx/PP	**N910**	PVd	RsAz
N460	PVd/RsAz/RsRx/PVd	PP/RsRx	**N911**	PBe/RsVd	PVe
N461	RsM	RsRx/PP	**N912**	PVd	Paz
N462	RsM/Pvd	PCz/RsRx/PP	**N913**	PBe/RsVd	PVe
N463	PM/RM	PVd/RsVd/PVd/2PRx	**N914**	PVd	Paz
N464	RM	RsM/PL/PM/PL	**N915**	PBe/RsBe	RsAz/PVe
N465	PP/RsVd/PCz	PBe	**N916**	PBe/RsBe/RsVd	RsAz
N466	PAz/PCz/RsVd	RsP/Paz	**N917**	PBe/RsVd	RsAz/PBr/PRs
N467	PAz/PCz/RsCz/PAz/RsCz/2PCz	RsP/RsVd/PBe/PP/PM/2PL	**N918**	RsBe/RsVd	RsAz
N468	PAz/PRx/2PAz	RsCz/PBe	**N919**	RsBe/RsVd	PBr/PVe
N469	PAz/PCz	RsCz/PM/2PL	**N920**	PP/RsVd	RsAz/PAz
N470	RsM/PVd	PP/RsCz/RsRx	**N921**	RsVd	RsAz/PBr/PRs
N471	PM	PP/RsP/RsRx/PL/PCz/PM	**N922**	PBe/RsVd	RsAz
N472	PP/RM	PBe/RsVd/RsL/2PP/PL	**N923**	RsVd/PVd	RsAz/PVe
N473	PM/RVd/PVd	PAz/RsRx	**N924**	PCz/ RsVd	RsAz

Tabela 5 – Resultados apresentados no teste com extratos vegetais obtidos de plantas amazônicas executado em cromatografia em camada delgada, revelador H_2SO_4 20% e pós queima (Dy), com fase estacionária sílica gel GF 254 e fase móvel Y=acetato de etila: metanol: água (100: 35: 10).

Número do Extato	Revelação	Número do Extato	Revelação	Número do Extato	revelação
N23	RsP/2PP/RsCz/PP	**N323**	RsRx/PRx/RsRx/PVe/PBe/PVd	**N623**	PM/RsCz/RsVd/PVd
N24	PP/RsCz	**N324**	RsCz/RsRx/PM	**N624**	PP/RsP
N25	RsP/RsCz/PP/PVd	**N325**	RsM/PM	**N625**	PP/RsCz/RsBe
N26	PP/RsCz/PP	**N326**	RsP/RsM/RsCz/PM/PP	**N626**	PCz/RsCz
N27	RsP	**N327**	RsP/RsRx/RsCz/3PCz/2PVd	**N627**	PCz/RsCz/PVd
N28	PP/RsCz	**N328**	PP/RsCz/PP/RsCz	**N628**	PP/RsP/PBe
N29	RsP/PVd	**N329**	RsRx/PCz/PRx/PVd	**N629**	RsCz/PVd
N30	RsP	**N330**	PCz/RsCz/RsRx	**N630**	RsCz
N31	PP/RsCz/PP	**N331**	PP/RsCz/2PVd	**N631**	PP/RsCz/PVd
N32	PP/RsCz/PP/RsCz	**N332**	PP/RsCz/RsRx/PVd	**N632**	PCz/RsCz/PCz/RsCz
N33	RsCz/PP/RsCZ/PP	**N333**	PCz/RsCz/PRx/PVd	**N633**	RsBe/PBe/PVd
N34	RsCZ/PP	**N334**	RsP/RsRx/PRx	**N634**	PCz/PBe
N35	PP/RCz/PM	**N335**	PP/RsCz/PCz/PRx/2PM	**N635**	PM/RsCz/PP/PBe
N36	PCz/RCz	**N336**	RsP/RsCz	**N636**	PM/RsCz
N37	RRx/Prx/P/vd	**N337**	PP/RsCz/RsRx/RsL/PVd/PCz	**N637**	PCz/RsP/2PVd/RsP/PP/PVdcl
N38	Pcz/RCz/PRx	**N338**	PBe/PCz	**N638**	PM/PCz
N39	RCz/Pm	**N339**	RsCz/RsRx/4PLs/PVd	**N639**	PM/RsCz/PVd
N40	PCz/RCz	**N340**	PCz/RsCz	**N640**	PP/RsCz
N41	RCz/PM	**N341**	RsM/PM/PBe/PCz	**N641**	PCZ/RsM/PM/PCz
N42	RCz	**N342**	PCz/RsCz/PRx	**N642**	RsCz
N43	RCz	**N343**	RsM/2PCz/RsCz/PVd/PRx/PBe/PRx/2PVd	**N643**	RsCz/PCz/PVd
N44	PCz	**N344**	PCz/RsCz	**N644**	RsCz
N45	PCz/RRx	**N345**	RsM/PCz/RsCz/PVd/PRx/PVd/2PLs/2PVd	**N645**	PCz/RsCz/2PCz
N46	RCz	**N346**	RsCz/PBe	**N646**	PM/RsCz
N47	RCz/PVd	**N347**	RsM/RsCz/PBe/PM	**N647**	PCz/RsCz/PVd

N48	PM/RCz	**N348**	PP/RsCz	**N648**	RsCz
N49	PM/RCz/PM/PVd	**N349**	RsM/RsBe/PLs/PBe/PLs/PCz	**N649**	PCz/RsCz/RsVd/PCz/PVd
N50	PM/RCz/RM	**N350**	PP/RsCz/PBe	**N650**	PCz
N51	RCz/PVd	**N351**	RsM/2PM	**N651**	RsCz/PVd
N52	PM/RCz	**N352**	3PP/RsCz	**N652**	RCz
N53	PM/RCz/PVd	**N353**	RsM/RsCz/PRx/PBe/PM/PVd	**N653**	PM,RCz,PVd
N54	PP/PVd/RCz	**N354**	PM/RsBe	**N654**	RCz
N55	RM/PM	**N355**	RsCz/RsRx/RsLs/PLs/PM/PCz	**N655**	Pm,RCz,PM,PVd
N56	PM/RM	**N356**	PP/RsCz	**N656**	Pm,RCz
N57	RM	**N357**	RsP/RsCz/RsBe/PBe/2PCz/PVd/PCz	**N657**	PM,RCz,Pm
N58	RM	**N358**	PCz	**N658**	PP,RCz
N59	RsCz/RsBe/PM/PCz	**N359**	RsCz/PBe/PRx/2PVd	**N659**	PM,RM,RCz,PVd
N60	PCz/RsCz/RsVd/PCz	**N360**	PCz/RsCz	**N660**	PM,RCz
N61	PCz/RsCz/PP/RsCz/PVd	**N361**	RsVd/PRx//PM/PVd	**N661**	RCz,Pm,PVd
N62	PVd/RsCx/PP/RsCz	**N362**	PCz/RsVd/RsCz	**N662**	PM,RCz,PM
N63	PCz/RsBe/PCz	**N363**	RsCz/2PVd	**N663**	RCz
N64	PP/RsP/PCz/RsCz	**N364**	PP/RsCz/Pbe/RsCz/2PVd	**N664**	RCz
N65	RsCz/RsM/PCz/PVd	**N365**	RsCz/PAm/PRx/PBe/PCz/PVd	**N665**	Pm,RCz,PVd
N66	PP/RsP/RsCz	**N366**	PP/RsCz/PVd/PRx/PCz	**N666**	PM,RCz
N67	3PCz/RsVd/PP/PCz	**N367**	RsCz/PCz/RsCz/PBe/PRx/PL	**N667**	PM,RCz,2PVd
N68	PP/RsCz/RsVd	**N368**	PM/RsCz	**N668**	PCZ,RCz
N69	RsCz/4PCz	**N369**	RsCz/PRx/RsCz/PRx/PCz/PVd	**N669**	PP,Rbe,2PVd,Pm
N70	PP/RsP/PBe	**N370**	PBe/RsCz	**N670**	PM
N71	PP/RsCz/3PP/RsCz/2PCz/PP/PVd	**N371**	RsCz/PM/PVd	**N671**	RM,RCz,PVd
N72	PP/RsCz	**N372**	PP/PM/RsCz/2PVd/2PCz	**N672**	PM,RM
N73	RsCz/RsBe/PCz	**N373**	PM/RsCz/PCz/RsCz/PLs	**N673**	RM,PP
N74	PP/RsP/PBe/PCz	**N374**	PM/RsCz/PLs	**N674**	PM,Rbe
N75	PCz/RsCz/PP/RsCz/PCz/PVd	**N375**	RsCz/PP/RsCz/2PP/PRx/PCz/3PVd	**N675**	RM,Rbe
N76	PP/RsCz	**N376**	RsCz/PP/RsCz/PCz	**N676**	PM,RCz

N77	RsP/RsCz/PCz	**N377**	RsRx/RsBe/RsRx/PCz/2PM	**N677**	PM,RM,PVd
N78	PP/RsCz	**N378**	PCz	**N678**	PP,RCz
N79	RsCz/PVd/PCz	**N379**	RsCz/PRx/PBe/PCz	**N679**	RCz,PVd,RCz,PVd
N80	PP/RsCz/PCz	**N380**	RsCz/PCz	**N680**	PM,RVd,PM
N81	RsCz/2PP/PRx/RsCz/4PCz	**N381**	PM/RsCz/RsRx/PVd/2PBe	**N681**	RCz,2PVd
N82	3PCz/PRx	**N382**	PCz/RsCz	**N682**	PM,RCz
N83	PP/RsCz/PCz/PBe	**N383**	PM/RsCz/PRx/3PCz	**N683**	RM,RVd
N84	PP/RsCz/PBe	**N384**	PP/RsCz/PP/RsCz	**N684**	PM,RCz
N85	RsCz/PCz/RsM/RsP/2PP	**N385**	RsCz/2PRx/PBe/PVd	**N685**	RM,2PCz,PVd
N86	PCz/RsCz/RsVd	**N386**	PP/RsCz	**N686**	Pm,Rbe
N87	PP/PVd/RsVd/RsRx/PCz/PM	**N387**	PCz/RsCz/PRx/RsCz/PM/PRx/PLs/2PVd/2PRx	**N687**	RM,RRs
N88	PCz/PVd	**N388**	PCz/RsCz/PCz/RsCz	**N688**	PM,Rm,PCz
N89	RsCz/RsM/PM/PP	**N389**	PP/RsCz/PCz/RsCz/PLs/PBe/PCz	**N689**	PM,RCz,PVd
N90	PP/RsCz/PBe	**N390**	PP/RsCz/PCz/RsCz	**N690**	PP,RCz
N91	PCz/RsCz/RsBe/PM/PVd	**N391**	RsCz/2PLs/PCz/4PVd	**N691**	PM,RCz,Pbe
N92	PP	**N392**	PCz/RsCz	**N692**	PM,Rbe
N93	RsCz/PVd/RsCz/PBe/3PVd	**N393**	PCz/RsCz/RsVd/RsBe/PRx/PCz/PBe/3PVd	**N693**	RM,2PVd
N94	PCz/RsCz/PVd/RsM	**N394**	PM/RsVd	**N694**	PM
N95	PCz	**N395**	RsCz/Pbe/PRx/PM	**N695**	PM,RCz,PCz
N96	RsCz/PCz	**N396**	PCz/RsCz	**N696**	RCz,2Pm
N97	RsCz/PP/PVd	**N397**	RsM/PCz/RsM/PRx/PCz	**N697**	PM,Rbe
N98	PCz/RsVd/RsCz	**N398**	PM,RsRx	**N698**	PM,RRs,PVd
N99	4PCz/PBe	**N399**	PM	**N699**	Pm,RM
N100	2PCz/PBe	**N400**	PCz,RsCz	**N700**	PCz,RM,RVd
N101	3PCz/PP/PCz/2PM	**N401**	PVd	**N701**	RM,PM,PVd
N102	PCz/RsVd/PCz/RsVd/PCz	**N402**	PCz	**N702**	PM,RCz
N103	RsCz/RsVd/PCz/PVd/PM/PVd	**N403**	PM,RSBe	**N703**	RCz,RVd
N104	PM/RsVd	**N404**	PM,RsVd	**N704**	PM,Rbe
N105	PCz/PVe/RsCz/2PCz	**N405**	PM	**N705**	PM,RRx,PVd

N106	PCz/RsCz/PVe/RsCz/PCz	**N406**	NÃO TEM	**N706**	PM,RCz
N107	PCz/RsCz/PCz/2PVd	**N407**	PM	**N707**	RCz,2PCz,PVd
N108	PCz/RsCz/RsVd	**N408**	PP,RsCz	**N708**	PM,RCz
N109	RsCz/PM	**N409**	RsM,RsVd	**N709**	Ram,RVd,PCz
N110	PCz/RsCz	**N410**	PM,RSBe	**N710**	PP,RCz
N111	RsCz/PCz	**N411**	RsVd	**N711**	RCz,PM,Pam,PVd
N112	PP/RsCz	**N412**	Pbe,RsM	**N712**	PM,RCz,32PVd
N113	RsCz/RsVd/PP	**N413**	RsM	**N713**	PM,RCz
N114	PCz/RsCz	**N414**	Pm,PCz	**N714**	RCz,3PVd
N115	RsCz/RsBe/PCz/PVd	**N415**	PVd	**N715**	PCz,RCz
N116	PP/RsCz/RsBe	**N416**	PM,RsCz	**N716**	PM,RCz,RM,PVd
N117	RsCz/PCz/2PVd	**N417**	RsCz	**N717**	PP,RCZ
N118	RsCz/PVd	**N418**	PM,RsM,PCz	**N718**	PM,RCz,PVd
N119	RsCz/PCz/RsBe/PCz/PM/2PP/2PP/PRx	**N419**	PM,RsCz	**N719**	PP,RCz
N120	PCz/RsCz/RsVd/PRx	**N420**	PM	**N720**	RCz,PVd
N121	2PCz/2PP/PCz	**N421**	PM	**N721**	Pm,RVd
N122	2PCz/RsVd	**N422**	PM,RsM	**N722**	RVd,RCz,PVd
N123	RsCz/PP/PCz	**N423**	RsVd	**N723**	Pm,RCz,PVd
N124	PCz/RsVd	**N424**	PM,PCz	**N724**	PP/RsCz
N125	RsCz/3PCz/PM/2PCz	**N425**	PM	**N725**	RsCz/PCz/PLs/PBe
N126	RsCz/RsBe	**N426**	PM,PCz,RsCz	**N726**	PCz/RsCz
N127	2PP/RsCz/PCz/PM	**N427**	PM	**N727**	RsCz/PCz/PM
N128	PP/RsCz	**N428**	RSM,PCz	**N728**	PP/PCz/RsBe
N129	RsCz/5PCz	**N429**	RsVd	**N729**	RsP/4PP/2PCz/PBe
N130	PP/RsCz	**N430**	Pm,,RsCz	**N730**	PCz/RsCz/3PCz
N131	PM,RsM,PVd	**N431**	PM	**N731**	RsCz/2PCz/2PM
N132	PM,RsM,PRx	**N432**	PM,PCz	**N732**	PCz/RsVd/PCz/RsVd
N133	PM,PCz,2PVd	**N433**	RsM,RsVd	**N733**	RsCz/RsRx/PCz/PRx/PP/2PVd
N134	PM,RsM,PCz	**N434**	PM	**N734**	PCs/RsCz

N135	RsM,PVd	**N435**	PP,RsVd,PM	**N735**	RsCz/PCz/2PVd
N136	PM,RsM	**N436**	PM,RSCz	**N736**	PCz/RsCz/3PBe
N137	PM,RsM	**N437**	PM,RsM,PCz	**N737**	RsCz/PBe/PM/2PRx
N138	PM	**N438**	PP,RsCz,PVd	**N738**	PCz/RsCz/RsBe
N139	PM,RsM,PRx	**N439**	RsM,PVd	**N739**	PP/RsCz/PRx/PM/PCz
N140	PCz,RsCz	**N440**	Pm,RsM,PCz,RsM	**N740**	PP/RsCz/2PCz/2PBe
N141	PM,RsM,2Pm	**N441**	PM,RsCz,Pvd	**N741**	RsCz/2PRx/PVd/PRx
N142	Pm,RsCz	**N442**	PM,RsCz	**N742**	PCz
N143	RsL,PVd	**N443**	RsCz,PCz,Pvd	**N743**	RsCz/2PM
N144	Pm,RsM,PVd	**N444**	Pvd,RsCz	**N744**	RsCz
N145	Pm,RsM,Pm	**N445**	PCz,RsCz,PVd	**N745**	RsP/2PP/PM/2PRx
N146	Pm,RsCz	**N446**	PM,RsCZ,RsM	**N746**	PM/RsCz/PP/RsCz
N147	PM,RsVd,Pm	**N447**	PM,RsCz	**N747**	RsP/PP/RsCz/PVd/2PRx/PVd
N148	PM,RsCz	**N448**	PM,RsCz,	**N748**	PP/RsCz/PCz/RsCz/2PVd
N149	Pm,RsM	**N449**	RsCz,PM	**N749**	RsCz/PRx/PVd
N150	PM,RsM,RSCz	**N450**	PCz,RsCz,	**N750**	PM/RsCz/PVd
N151	RsM,PVd,PM	**N451**	RsM,Pvd	**N751**	RsCz/PCz/RsM/3PM/PP/2PVd
N152	Pm,RsM	**N452**	PM,RsRx,PRx	**N752**	PM/RsCz/PCz/RsCz
N153	PVd,RsCz	**N453**	PVd	**N753**	PM/RsCz/PP/RsM/PP/PVd/2PRx
N154	PCz,RsCz,Paz,PM	**N454**	PM	**N754**	PP/RsCz/PCz/RsCz
N155	PM,PVd	**N455**	RsRx,PCz,PM	**N755**	PM/RsCz/2PCz/PRx/PM
N156	2PCz,2Pvd	**N456**	Pbe,RsRx	**N756**	PP/RsCz/PVd/RsCz
N157	RsM,Pm	**N457**	RsM,PCz	**N757**	RsCz/2PP/PRx/RsRx/PVd/PRx/PCz/PBe
N158	não tem	**N458**	PM,RsM	**N758**	PCz/RsCz/PP/PVd/RsCz
N159	PM,PVd,RsCz,PVd	**N459**	Pbe,RsBe,PCz,PVd,PM	**N759**	RsP/RsM/3PM/PCz
N160	PM,RsCz	**N460**	Pbe,PCz,PM	**N760**	RsCz
N161	RsM,PCz,PVd	**N461**	RsM,PVd,RsVd	**N761**	RsBe/RsCz/RsBe/2PBe/PCz
N162	RsM,RsCz	**N462**	Pbe,RsM,Paz	**N762**	PBe/PCz/RsVd
N163	RsM,Pvd	**N463**	RsM,PVd,PCz	**N763**	RsCz/2PRx/PP/2PVd

N164	RsM	**N464**	PM	**N764**	PBe/RsBe
N165	RsM,PCz,PM	**N465**	RsCz,RsM,PVd	**N765**	RsM/RsP/RsCz/PRx/2PP/2PCz
N166	PM,RsCz	**N466**	PM,RsCz,	**N766**	PBe/RsBe/2PCz
N167	RsCz/RsBe/PBe/PCz	**N467**	PM,RsM,RsVd	**N767**	RsCz/RsBe/RsCz/PCz/3PBe/PCz
N168	PCz/RsCz/PVd	**N468**	RsCz,PM,PCz	**N768**	PCz
N169	RsCz	**N469**	PM	**N769**	3PCz/PRx/PCz/PVd
N170	PP/RsCz	**N470**	PM,Rbe	**N770**	RsBe
N171	RsCz/PP/2PVd	**N471**	PM,RVd	**N771**	RsCz/PRx/2PCz/PRx/4PVd/PRx
N172	PP/RsCz/3PCz	**N472**	RM	**N772**	PBe/RsCz/PRx/PCz/RsVd
N173	PP/RsCz/PM/PCz	**N473**	PM,RVd	**N773**	PCz/RsCz/PCz/PRx/PVd/PCz
N174	PP/RsCz	**N474**	PM,RVd	**N774**	PBe/RsBe
N175	RsCz/PP/PVd	**N475**	RRs,PVd,Paz,PRs,PVd	**N775**	PBe/3PCz/PRx/4PCz
N176	PP/RsCz	**N476**	PRs,Rbe,PVd,PRs	**N776**	2PCz
N177	RsCz/PVd	**N477**	PVd,RRs,PVd,PRs	**N777**	RsM/RsCz/2PCz
N178	PP/RsCz	**N478**	PVd	**N778**	RsBe
N179	RsCz/PCz	**N479**	PM,RRs,2PVd	**N779**	RsCz/RsRx/PRx/PVd/RsCz/2PCz/PVd
N180	PP/RsCz/RsVd	**N480**	PRs,RCz,PVd,PRs	**N780**	PM/RsCz/PRx/PVd
N181	RsP/RsCz/2PCz	**N481**	RCz,2PVd	**N781**	RsCz/RsRx/PLs/PCz
N182	PP/RsCz	**N482**	PM,RM	**N782**	PCz/RsCz/PCz
N183	RsCz/RsBe/2PBe/PM/PVd	**N483**	PM,RRs,2PVd	**N783**	RsCz/PCz/RsVd/3PCz/2PVd
N184	PP/RsCz	**N484**	PM,RBe	**N784**	PCz/RsCz
N185	RsCz/PBe/PVd	**N485**	PVd,Rbe,RVd	**N785**	RsP/RsCz/PVd/PM/PVd/PRx
N186	PP/RsCz/PVd	**N486**	RCz,PP	**N786**	3PCz
N187	RsCz/PCz/PVd/3PCz	**N487**	RCZ,RVd	**N787**	PM/RsCz/PRx/PM/PRx/PVd
N188	PCz/RsVd/RsCz	**N488**	PM,RBe	**N788**	RsCz
N189	RsCz/PP/PVd	**N489**	PM,RM,PVd,RRs,PRs	**N789**	RsCz/RsP/PRx/PBe/PCz
N190	PCz	**N490**	PRs,RCz,PCz	**N790**	2PCz
N191	RsCz/2PCz/PVd/RsCz/PP	**N491**	PM,RVd,Ram,RVd	**N791**	RsCz/RsRx/2PRx/PVd
N192	PVd/RsP/RsCz	**N492**	PM,RCZ	**N792**	PCz

N193	PP/RsCz/PP/RsCz/PP	**N493**	RRs,PRs	**N793**	RsCz/RsP/PM/PP/PVd
N194	PP/RsCz	**N494**	PM,Rx	**N794**	PCz/RsCz
N195	RsCz/PP/PVd	**N495**	Pm,RVd,Rm,PVd	**N795**	RsCz/RsVd/RsRx/PVd
N196	RsCz/PCz/PVd	**N496**	Pm,RM,,RRs	**N796**	RsCz
N197	PP/RsCz/2PM	**N497**	PM,RCz,RVd	**N797**	RsCz/PCz/PRx/PCz/PRx/2PM
N198	PCz/RsCz	**N498**	PCz,PM,RCz,	**N798**	RsCz
N199	RsP/RsCz/PM	**N499**	RCz,RVd	**N799**	RsCz/RsP/RsVd/2PRx/PCz
N200	PP/RsCz/PCz	**N500**	PM,RRx,PVd	**N800**	2PCz
N201	PCz/RsCz/PCz/RsCz/PM	**N501**	PRx,RCz,PRs	**N801**	RsCz/PCz/PLs/PP/PM/PRx/PVd
N202	-	**N502**	RCz,,2PVd	**N802**	PCz/2PRx/PVd/PBe
N203	RsCz/2PVd	**N503**	PM,Rbe,RRX	**N803**	PP/RsCz/PM/PBe
N204	RsCz/RsVd/PP	**N504**	Pbe,RCz,2PM	**N804**	PCz/RsVd
N205	RsCz/RsVd/PCz/PM	**N505**	Pbe,RM	**N805**	PCz/RsVd/PCz/PVd/PBe/PCz/2PVd/PM/2PRx/2PM
N206	RsCz/PCz	**N506**	RM,RVd	**N806**	PCz/PBe/PP
N207	RsCz/PVd	**N507**	PM,RCz,PM	**N807**	RsRx/2PRx/RsCz/PRx/RsCz/PRx/2PCz/PVd/PRx
N208	RsCz/2PCz	**N508**	RM,2Pvd	**N808**	PP/RsCz/RsRx
N209	RsCz/PP	**N509**	PM,Rbe	**N809**	RsCz/RsVd/2PP/2PVd
N210	RsCz/2PCz	**N510**	PM,RBE,RVd	**N810**	PCz/2PRx/PVd/RsCz
N211	RsCz/PM/PP/PVd	**N511**	Pbe,Rbe,PRx	**N811**	RsCz/3PRx/PVd
N212	RsCz/3PCz	**N512**	PVd,RCz,RVd	**N812**	PP/RsCz
N213	PCz/RsCz/PCz/PM	**N513**	PM,Rbe	**N813**	RsP/PVd/2PRx/PVd/PM
N214	PCz/RsCz/PCz/RsCz	**N514**	Pm,Rm,RVd	**N814**	PP/RsCz/PVd
N215	PVd	**N515**	PM,Rbe	**N815**	RsRx/RsVd/PRx/PCz/PVd/2PM
N216	PM,RsCz,Pvd,RsCz	**N516**	PM,Rm,PCz	**N816**	PP/RsCz/RsVd
N217	PVd,PM	**N517**	Rm,RCz,PM	**N817**	RsP/RsRx/PVd/PRx/2PCz/PP/PRx/PVd/PM
N218	Pm,RsM	**N518**	NÃO TEM	**N818**	PCz/RsCz/PVd/PCz
N219	PM,RsM,PVd	**N519**	PM,RRx	**N819**	RsRx/PRx/2PVd/2PRx/RsCz/PCz/PRx/2PVd
N220	PP,RsM	**N520**	PM,RCz,Pm	**N820**	PP/RsRx
N221	RsM,Pvd	**N521**	Rbe,2PCz,PVd	**N821**	RsBe/PVd/RsCz/PCz/PRx/2PCz/PVd

N222	PM,RsM	**N522**	Rbe,PCz	**N822**	PCz/RsVd/PCz/RsVd
N223	PM,Pvd	**N523**	PM,RRx,PRx	**N823**	RsLs/PM/PP/2PM
N224	não tem	**N524**	PM,RCZ,RVd	**N824**	PCz
N225	Pm,RsM,PVd	**N525**	PM,RCz	**N825**	PCz/RsCz/RsRx/RsCz/PRx/Pbe/PRx/PVd/PRx/2PVd/2PRx
N226	PM,PVd	**N526**	RRS,RCz,,RM,2PVd	**N826**	RsCz/RsRx
N227	PP,RM	**N527**	PM,Rbe	**N827**	PM/PRx/PM/RsP/PRx/RsP/PM/PRx/PCz/PRx/PCz
N228	PM,RsM,RsVd,RsCz	**N528**	Rbe	**N828**	PCz/RsCz/RsVd
N229	PM,RsBe,PVd	**N529**	PM,Rbe	**N829**	RsM/RsCz/PRx/RsCz/PVd/PRx/PVd/PP
N230	PP,RsCz	**N530**	RM,RRx	**N830**	RsCz/PBe
N231	RsM,2PVd	**N531**	RRX,PRx	**N831**	RsP/PRx/PBe
N232	PM,RsCz	**N532**	PM,Rbe	**N832**	PP/RsCz/PCz/RsCz
N233	RsCz,PVd	**N533**	PRX,RCZ,RVd,PM,PVd	**N833**	PP/RsCz/PRx/PCz/PVd
N234	PM,RsCz	**N534**	PM,RCz	**N834**	PCz
N235	Pbe,RsM	**N535**	PM,RM,PCz,PRs,3PVd	**N835**	PCz/RsCz/2PCz/PRx/PM
N236	PP,RsCz	**N536**	PM,RCz	**N836**	2PCz/RsCz
N237	PM,PVd	**N537**	RCz,RVd	**N837**	RsCz/PCz/PVd
N238	PP,RsM,PVd,RsM	**N538**	PCz,RCz,RP	**N838**	2PCz/RsCz
N239	PCz,Pm	**N539**		**N839**	PCz/RsCz/PRx/PVd
N240	PM,RsM	**N540**	RCz,PRx	**N840**	PCz/RsCz
N241	PVd,2PM	**N541**	RCz,,PVd	**N841**	RsP/RsCz/PVd/PCz/PVd
N242	PP,RsCz	**N542**	PCz,RCz,Rbe	**N842**	PP/RsCz
N243	PM,RsM,PVd	**N543**	PM,RCz,PVd	**N843**	RsCz/PVd/RsRx/PM/2PRx
N244	Pm,RsCz	**N544**	PM,RCz	**N844**	PBe/RsAm/RsCz/PAm
N245	Pm,RsM,PVd	**N545**	RM,RCz,RVd	**N845**	RsAm/PBe/RsLs/PRx/PAm/PRx/PM/2PRx/PBe
N246	PP,RsM,PM	**N546**	PM,RM,PVd,Rm	**N846**	PP/RsAm
N247	PM,RsBe,Pvd	**N547**	PCz,RM,RVd	**N847**	RsCz/RsBe/RsCz/3PRx/PVd
N248	PM,RsCz,PRx	**N548**	PM,Rbe	**N848**	RsCz/RsBe
N249	PCz	**N549**	PM,RCz,2PVd	**N849**	RsCz/RsBe/RsCz/2PRx/PVd
N250	PM,PVd,PRx	**N550**	PM,RCz,PVd,RCz	**N850**	PCz/RsBe/PVd/RsAm

N251	PRx,RsVd,PM	**N551**	PM,3PVd	**N851**	RsCz/RsRx/RsCz/PBe/PVd/PBe
N252	PCz/RsCz/RsBe	**N552**	PM,RCz,Pm	**N852**	PCz/RsCz/PCz/RsCz
N253	PM/RsCz/PCz/PVd/2PCz	**N553**	RM,PV,2PBe	**N853**	RsAzes/PRx/PAzes/2PRx/PP
N254	PCz/RsCz	**N554**	PM,RCz	**N854**	PCz/RsCz
N255	PCz/RsCz/PVd/RsCz/PCz/PBe/PVd	**N555**	RCz,2PVd	**N855**	RsCz/PVd/PP/2PRx
N256	PCz/RsCz	**N556**	PM,RCZ	**N856**	RsCz/PVd/PBe
N257	RsP/RsM/PBe/PP/2PVd/2PCz	**N557**	RCz,PVd	**N857**	PP/RsCz/PM/RsRx/PVd
N258	PP/RsCz/PBe	**N558**	RCz	**N858**	PP/RsCz/PAm
N259	PCz/RsCz/PLs/2PCz	**N559**	PM,RRx,RVd	**N859**	RsCz/PVd/2PM/PVd
N260	RsCz	**N560**	PP,RCZ,PRx	**N860**	RsCz/PVd/PM/PVe
N261	RsP/RsM/PM/PCz	**N561**	RCz,RM,RVd,2PVd	**N861**	RsM/RsCz/PM/PBe/PCz
N262	PCz/RsCz/2PCz	**N562**	PM,RM,RCz	**N862**	2PCz/PRx/RsCz
N263	RsCz/PCz	**N563**	RCz,PP,RCz,PVd	**N863**	RsM/RsRx/RsCz/2PRx/PVd
N264	PP/RsCz/2PBe	**N564**	PM,RCz,	**N864**	PP/PRx/RsVd
N265	RsP/RsCz/2PM/PVdcl/PCz	**N565**	PRx,RRS,PRX,RVd	**N865**	RsM/RsP/2PM
N266	PP/RsCz	**N566**	PM,RCz,PVd,PRs	**N866**	PP/RsCz
N267	RsCz/RsBe/PM/PBe	**N567**	RM,RVd,PCz,Pm	**N867**	RsCz/RsVd/PVd/3PRx/PVd
N268	PCz/RsCz	**N568**	PM,RCz	**N868**	PCz/RsCz
N269	PCz/RsCz/2PLs/PP/2PVd	**N569**	RM	**N869**	PCz/RsCz/PCz/RsCz/PCz/PVd
N270	PP	**N570**	PM,RCZ,PCz	**N870**	PCz/RsCz
N271	RsCz/PM/PVd	**N571**	PM,RCz	**N871**	RsP/RsCz/PCz/PVd
N272	PP/RsCz	**N572**	RCz,RVd	**N872**	PP/RsCz
N273	RsCz/RsBe/2PLs/PP/2PVd	**N573**	PM	**N873**	RsCz/PCz/PVd
N274	PP	**N574**	PM,RCz,Rvd	**N874**	PM/PCz/RsCz
N275	PCz/RsCz/PRx/3PVd/PM	**N575**	PM,Rm	**N875**	RsCz/PCz/PVd
N276	PP/RsCz/2PCz	**N576**	PM,RRx,2PM	**N876**	PM/RsCz
N277	PCz/PRx/RsVd/3PRx/PP/2PVd	**N577**	PCz	**N877**	RsCz/PVd
N278	PP/RsCz/RsVd	**N578**	RCz	**N878**	PCz/RsCz
N279	RsCz/2PCz/2PBe/2PP/PM/PCz	**N579**	RCz,PCz,2Pvd	**N879**	Pbe/RsCz/PBe/4PVd

N280	PCz/RsCz/Pam	**N580**	PM,RM	**N880**	PP/RsCz/PM
N281	RsCz/5PCz/PRx/PM/2PRx/2PVd	**N581**	PM,RVd	**N881**	PCz/RsCz/2PCz
N282	PCz/RsCz/PRx	**N582**	PM,Rbe	**N882**	PP/RsCz
N283	PCz/RsCz/2PRx/PVd	**N583**	RRx,2PCz	**N883**	2PCz/RsCz/PM/2PVd
N284	NÃO TEM	**N584**	PM,RCZ,Paz	**N884**	PP/RsCz/PP/RsCz
N285	PCz/RsCz/2PCz/2PVd	**N585**	PM,RCz,PVd,RM,2PVd	**N885**	PCz/4PP/PCz/PVd
N286	PCz/RsCz	**N586**	PM,RCz	**N886**	PP/RsP/RsCz
N287	PCz/RsRx/PCz/PRx/PCz/2PVd	**N587**	PM,RRs,RM,3PVd	**N887**	RsCz/RsP/RsCz/2PVd
N288	PCz	**N588**	PP,RCZ	**N888**	PCz/RsP/PCz
N289	RsCz/RsVd/PCz/2PM	**N589**	PM	**N889**	PM/RsCz/PVd/RsCz/PP/PVd
N290	PP/RsCz/RsVd/PM	**N590**	RCZ,2PM	**N890**	PP/RsM/PCz/RsCz/PCz
N291	RsCz/RsVd/PP/2PRx/PVd/PP	**N591**	PM,Rbe,PVd	**N891**	RsCz/2PCz/3PVd
N292	PP/RsCz/PVd/PCz	**N592**	PM,RM	**N892**	PP/RsCz/3PP/RsCz
N293	PP/RsCz/PCz/PRx/PVdcl/PVd/PP	**N593**	PM,RCz,RVd	**N893**	PCz/PVd/RsCz/PVdcl/PVd
N294	PP/RsCz	**N594**	PM,RCz	**N894**	2PP/RsCz
N295	RsCz/2PCz/PP	**N595**	RM,PVd	**N895**	RsM/PVd/RsCz/PP/PCz
N296	PP/RsCz	**N596**	PM,RCz,	**N896**	3PP/RsCz
N297	RsP/PP/PRx/RsCz/PCz/2PBe	**N597**	RCZ,Rm,3PVd	**N897**	RsCz/RsP/PVd
N298	RsP/RsCz/PBe	**N598**	PM,Rm	**N898**	RsCz/PP/RsCz
N299	RsP/PVd/PLs	**N599**	Pm,RCz,3PM	**N899**	PP/RsCz/2PVd
N300	PP/RsCz/RsVd	**N600**	PM,RCz	**N900**	PP/RsCz
N301	RsCz/PBe/PM/PRx/PM/PVd	**N601**	PP,RCZ,3PVd	**N901**	RsP/PVd
N302	PM/RsCz/PVd/PCz	**N602**	RCz	**N902**	PP/RsCz/PCz
N303	3PCz/RsCz/2PRx/PVd/2PM	**N603**	PM,RM,RVd	**N903**	RsCz/PVd
N304	RsCz/PVd/PRx/PVd	**N604**	PM,RCz	**N904**	PP/RsCz/RsRx/PCz/PRx
N305	PCz/RsCz/PCz/RsCz/PM/PVd	**N605**	PM,RM	**N905**	PCz/PRx/PCz/RsCz/PP/PM/PP
N306	PCz/RsCz/PBe/RsCz/PBe	**N606**	PM,RCz	**N906**	PP/RsVd/PCz/RsCz
N307	PCz/Pam/RsCz/PRx/2PCz/PVd/2PRx	**N607**	RCz,PVd	**N907**	RsCz/RsM/PCz/PVd
N308	PM/RsBe/RsCz/PBe	**N608**	PCz,RCz	**N908**	PP/RsM/RsVd/RsCz

N309	PCz/RsRx/RsCz/PRx/2PVd/PCz	**N609**	RCz,RVd	**N909**	RsM/RsCz/PCz/PP/PVd
N310	PP/RsCz	**N610**	PP,RCz	**N910**	PP/PM/RsCz/Rs
N311	RsCz/PCz/PRx/2PM	**N611**	RCz,PM,RM,PVd	**N911**	PCz/RsVd/RsCz/PP/2PVd
N312	PP/RsCz/PVd/RsCz	**N612**	PM,RM	**N912**	PP/RsVd/RsCz/RsM/RsVd
N313	3PCz/RsBe/3PRx/2PVd	**N613**	RM,RVd	**N913**	RsM/RsCz/PCz/PVd
N314	PP/PCz/RsCz/PCz/RsCz	**N614**	PM,RCz	**N914**	PCz/RsCz/2PVd
N315	RsCz/PBe/PRx/2PVd	**N615**	RRX,PRx	**N915**	PVd/PRx/RsCz/RsVd/RsP/PP/PVd
N316	PBe/RsCz/RsBe	**N616**	PP/RsCz	**N916**	PM/RsVd/PVe
N317	PP/RsRx/RsBe/PRx/PBe/2PVd/2PBe	**N617**	PP/RsCz	**N917**	RsCz/PP/RsCz/PP/RsCz
N318	PCz/RsCz/RsBe	**N618**	PM/RsCz	**N918**	PM/RsVd/PCz
N319	PCz/RsBe/PRx/PBe/PCz/PVd/PRx/PVd/2PM	**N619**	PP/RsP/RsVd	**N919**	RsP/RsM/PP/RsCz
N320	PM/RsCz/PBe/PRx/PBe/RsCz	**N620**	PCz/RsCz	**N920**	PP/RsCz
N321	NÃO TEM	**N621**	PM/RsCz/RsVd	**N921**	RsCz/PVd/2PAz/PCz/RsVd/PRx/RsCz
N322	PM/RsCz/PRx/RsCz/PBe	**N622**	RsCZ/PCz	**N922**	RsCz/PVd/PCz/PRx/RsCz
				N923	RsBe/PVd/PCz/PVd/PAz/PRx/PVd/PCz/PVd
				N924	PBe/RsBe/RsRx/RsVd

Tabela 6 – Resultados apresentados para análise de extratos vegetais obtidos de plantas amazônicas em cromatografia de camada delgada, usando revelador difenilboriloxietildiamina (NP) (Ex), fase estacionária sílica gel GF 254 e fase móvel X - acetato de etila: ácido fórmico: ácido acético glacial: água (100:11:11:26).

Número do extrato	Ex- NP366 (roxa)	Número do extrato	Ex- NP366 (roxa)	Número do extrato	Ex- NP366 (roxa)
N23	várias manchas beges	**N323**	RsP/2PBe/PVd/Pbe	**N623**	RsAm/RsL/PBr/PL
N24	Be	**N324**	RsCz/RsRx	**N624**	RsAm/RsVd/PVd
N25	-	**N325**	RSCz/RsVd	**N625**	RsVd/RsBr/PAm
N26	-	**N326**	3PRx	**N626**	RsVd
N27	Be, Be	**N327**	PRx/RsVd/PP/PM	**N627**	RsBe/RsLs/PM/PL
N28	M, Azclaro	**N328**	PCz/RsVd/RsRx	**N628**	PRx/PL/2PAm/PBr
N29	L	**N329**	RsAz/PVd/2PP	**N629**	PL/RsBr/RsRx/PBe/RsL/PM/PVd
N30	-	**N330**	PCz/PVd/PBr	**N630**	RsAm/RsVd/PBr
N31	L, L, L	**N331**	PCz/RsM/PVd/PP	**N631**	PRx/PVd/PBe/RsL/PRs
N32	Be, L, Az	**N332**	PRx/PAz/RsM	**N632**	RsVd/RsRx/PVd/PRx
N33	-	**N333**	PRx/RsVd/2PM/Paz	**N633**	PL/PRx/RsL/RsAm/2PM/PL
N34	-	**N334**	PCz/RsVd/PAz/PVd	**N634**	RsVd/PBr/PBe/PVd
N35	-	**N335**	PCz/RsVd/2PVd	**N635**	PRx/PVd/PRx/PVd/PRx/2PVd/PRs/2PBr
N36	L	**N336**	PCz/RsVd/PVd	**N636**	PVd/RsBe/PVd
N37	Be, Az, L	**N337**	RsCz/PAz/PVd	**N637**	RsVd/RsRx/PBr/PL
N38	-	**N338**	PCz/RsVd	**N638**	RsVd
N39	L	**N339**	2PVd/RsVd/PVd/PM/2PL	**N639**	RsAm/RsL/RsVe/PM/PAm
N40	Be	**N340**	PVd/RsVd/PVd	**N640**	RsAz/PAm/PBr/PVd
N41	P, P, L, L, L, L	**N341**	RsRx/PL	**N641**	PRs/PVd/PBr
N42	P, L, L, L, P. L, L, P	**N342**	PCz/RsVd	**N642**	PVd/2PRs
N43	L, L, L,P, AM, AM, AM	**N343**	RsRx/RsBe/PVd/2PL	**N643**	RsBe/RsL/PM/PL
N44	P, Am	**N344**	PCz/PVd	**N644**	RsVd/PAm/RsVd/PBr/PRx
N45	-	**N345**	2PCz/PVd/RsVd/2PVd/PL	**N645**	RsRx/PBr/PVd/PBr
N46	Be	**N346**	RsVd/PVd	**N646**	RsVd/RsRx/PBr/PRx

N47	Be	**N347**	2PCz/PVd	**N647**	RsBr/RsL/PM/PBr
N48	RASTRO AZUL	**N348**	2PCz	**N648**	RsAz
N49	L, L	**N349**	2PCz/RsRx/PBe/PVd/PM/PL/2PBe	**N649**	RsL/PM/PL
N50	L, L	**N350**	PCz/RsVd/PBe/PVd	**N650**	RsAz
N51	-	**N351**	RsP/RsCz/PP/PVd	**N651**	RsAm/RsL/PBr/PVd/PBe/PL
N52	L, RASTRO AZUL	**N352**	PCz/PVd	**N652**	PVd/RsVd/3PAm/RsRx/PLs
N53	L, AZ, L	**N353**	2PP/RsVd/PVd/PBr	**N653**	PBe/RsVd/PBe/PRx/PBe/PM/2PL/2PVd/3PL
N54	L, AZ, L	**N354**	PRx	**N654**	PAz/RsVd/PBe/PRx/PVd/PBe/RsRx/PBe/PVd
N55	L, L, Am, Am, Am	**N355**	PRx/RsVd/PL	**N655**	RsVd/PVd/PBr/Pam
N56	RASTRO AMARELO, Am, Am	**N356**	PP/RsVd/2PVd	**N656**	PVd/RsVd/3PVdcl
N57	L, L	**N357**	2PCz/PL/PVd/PL/PAm/PM/2PL	**N657**	PAz/PBe/RsBe/PL/PRx/2PP/PM
N58	-	**N358**	PCz/RsVd/PBe/PVd	**N658**	PVd/RsVd/RsAz/PL/PRx/PL/PVd/RsRx/PVe/PVd
N59	-	**N359**	RsVd/2PL	**N659**	RsVd/PVd/RsM
N60	L, Be, Be	**N360**	RsVd	**N660**	RsVd/RsRx/PL
N61	P, Az	**N361**	RsVd/PM/2PL	**N661**	PCz/RsVd/PCz
N62	P	**N362**	RsRx	**N662**	RsBe/Paz/PRx/PP/PRx/PL
N63	-	**N363**	RsRx/PLs	**N663**	RsVd/PAz/PRx/PP/PRx
N64	RASTRO PRETO	**N364**	RsRx	**N664**	PL/RsL/5PL
N65	L, Be, L	**N365**	RsRx/4PM	**N665**	PVd/RsRx/RsVd
N66	L, Be, L	**N366**	PCz/2PVd	**N666**	2PVd
N67	Be, L	**N367**	PCz/2PBe	**N667**	RsVd
N68	L, Be, L	**N368**	PCz	**N668**	PBe/PVdcl
N69	-	**N369**	RsRx/2PM	**N669**	RsP/Paz
N70	-	**N370**	PCz	**N670**	PBe/3PVdcl/PVd
N71	2 Ve	**N371**	RsBe/3PM	**N671**	PCz/RsVd/PL/2PVd
N72	rastro cinza, 2 Az cl	**N372**	PCz/2PVd	**N672**	PVd/4PM
N73	1 L	**N373**	PCz/2PM	**N673**	RsVd
N74	3 Az cl	**N374**	PRx	**N674**	PVd/RsVd/PL
N75	1Ve	**N375**	RsVd/2PP/2PM	**N675**	PVd/RsVd

N76	rastro cinza	**N376**	RsVd/RsRx	**N676**	PBe/RsRx/PL/PVd/RsRx/PVd
N77	rastro cinza, 1Am cl	**N377**	PCz/PAz/PCz	**N677**	PRx/PVd/PRx/PL/PVd
N78	rastro cinza, Az	**N378**	RsRx	**N678**	PBe/RsVd/PAm/PLs/PVd/PLs/PP/2PVd/2PBr/PL
N79	rastro cinza, 3 Rosa	**N379**	RsVd/2PM	**N679**	RsVd
N80	rastro cinza	**N380**	RsVd/PVd/Paz	**N680**	RsVd
N81	2 Az cl, 3 Rosa cl	**N381**	2PP/RsM/PM/2PBe	**N681**	PRx/PVd/PRx/PL/PVd
N82	sem cor	**N382**	PCz/PBr	**N682**	PBe/3PVdcl/PVd
N83	1 L	**N383**	PCz/RsVd/RsAz/PM	**N683**	RsRx/PM/RsL/PM/PL
N84	rastro cinza	**N384**	PP/RsAz	**N684**	PBe/RsRx/PL/PVd/RsRx/PVd
N85	rastro cinza, 1L	**N385**	RsCz/PM/2PBe	**N685**	PBe/RsVd/PAm/PLs/PVd/PLs/PP/2PVd/2PBr/PL
N86	rastro cinza	**N386**	PVd/RsVd	**N686**	PVd/RsVd/2PVd/RsRx/PAz/PRx
N87	1 L	**N387**	PP/PVd/PP/PBe/PVd/PM/PL	**N687**	PBr/RsAz/PVd/RsBe/PL/Pam
N88	sem cor	**N388**	PCz/RsRx	**N688**	RsVd/3PVd/PRx/PAz/PRx
N89	rastro cinza, 1 R	**N389**	PCz/PVd/PBe/RsVd/PBr/RsVd/2PL/PVd	**N689**	PCz/PRx
N90	rastro cinza	**N390**	3PM/RsVd/PBr/RsRx	**N690**	PVd/RsBe/2PL/PLs/PM/2PL
N91	rastro cinza, 1 Ve	**N391**	RsVd/PVd/RsVd/3PL	**N691**	PVd/RsVd/PBr
N92	rastro cinza	**N392**	RsVd/2PVd	**N692**	RsBe/RsVd/PRx/PP/PL/2PRx
N93	rastro cinza, 1L	**N393**	RsBe/RsVd/2PL/PM/PBr	**N693**	RsVd/PP
N94	rastro cinza	**N394**	PBe/RsVd	**N694**	PL/RsVd/PBe/2PL
N95	1 Az, rastro rosa	**N395**	RsVd/PVd/RsVd/PBe/PVd	**N695**	PVd/RsVd
N96	3 Az, 1 R	**N396**	PCz/RsVd/PVd/PBr/PVd	**N696**	PL/RsL/PL/PM
N97	rastro Az cl, rastro rosa, 1 Ve	**N397**	RsP/Paz	**N697**	PVd/RsVd
N98	rastro Az cl	**N398**	rastro cinza	**N698**	RsBe/2PL
N99	1 R cl	**N399**	rastro cinza, 1Am cl	**N699**	PRx/RsVd
N100	4 Be	**N400**	rastro cinzo, Az	**N700**	RsVd/RsRx/PL
N101	1 Az cl, 2 R	**N401**	rastro cinza, 3 Rosa	**N701**	PCz/RsVd/PCz
N102	2 Br	**N402**	PCz/RsVd/RsAz/PM	**N702**	RsBe/Paz/PRx/PP/PRx/PL
N103	1 Az, 1 V, 1 Am, 1 Ve	**N403**	PM/RsAz	**N703**	RsVd/PAz/PRx/PP/PRx
N104	1 V, 1 Am, mancha Az	**N404**	RsCz/PV/PBe	**N704**	PL/RsL/5PL

N105	1 L	**N405**	PP/RsCz	**N705**	PVd/RsRx/RsVd
N106	sem cor	**N406**	NÃO TEM	**N706**	2PVd
N107	1 Ve	**N407**	PP	**N707**	2PRx/PCz
N108	sem cor	**N408**	RsVd/RsRx/PBr/PRx	**N708**	PRx
N109	mancha branca	**N409**	RsRx/PCz/PRx/RsCz/4PCz	**N709**	PL/RsL/5PL
N110	rastro verde	**N410**	PRx/PRx/2PVd	**N710**	RsVd/PVd/RsVd/PBe/PVd
N111	rastro cinza, 1 R cl	**N411**	PP/RsCz	**N711**	PCz/RsVd/PVd/PBr/PVd
N112	rastro verde, cinza, 3 AZ	**N412**	PRx/PAz/PRx	**N712**	RsP/Paz
N113	3 V, 1 Ve	**N413**	PCz	**N713**	rastro cinza
N114	2 V, 1 R cl	**N414**	3PCz/3PVd	**N714**	rastro cinza, 1Am cl
N115	rastro bege, 1 Ve	**N415**	PCz	**N715**	rastro cinzo, Az
N116	rastro cinza	**N416**	PCz/PAz/PCz	**N716**	rastro cinza, 3 Rosa
N117	rastro cinza, 1 L	**N417**	PP/RsCz/Paz	**N717**	PCz/RsVd/RsAz/PM
N118	rastro cinza	**N418**	RsCz/RsVd/PCz	**N718**	PM/RsAz
N119	RsVd/2PM/PRx	**N419**	RsCz/RsVd	**N719**	RsCz/PV/PBe
N120	PCz	**N420**	RsCz	**N720**	RsP/Paz
N121	PVd/PBe	**N421**	RsCz	**N721**	PBe/3PVdcl/PVd
N122	PCz/PVd	**N422**	PP	**N722**	PCz/RsVd/PL/2PVd
N123	RsCz/PL	**N423**	PP/RsCz	**N723**	PVd/4PM
N124	PM/RsCz	**N424**	RsCz	**N724**	RsVd/PVd
N125	RsBe/2PVd/PM/PL	**N425**	RsVd/PP	**N725**	PRx/PVd/PRx/PL/PVd
N126	PVd/PM/PVd/PAz/PM/PVd	**N426**	RsCz	**N726**	2PRx/PVd/PL/PRx
N127	PBe/PVd/PBe/2PVd/RsVd/PL/PBr	**N427**	RsVd/RsRx	**N727**	2PRx/PVd/PRx/PVd/PRx/PVd
N128	RsVd/2PVd	**N428**	PCz/PAz/PCz	**N728**	PVd
N129	RsBe/PL	**N429**	RsRx	**N729**	RsVd/2PVd/PL
N130	PCz/RsM	**N430**	RsVd/2PM	**N730**	2PVd
N131	RsRx/RsVd/PBr/4PL/3Paz	**N431**	RsVd/PVd/Paz	**N731**	2PRx/PCz
N132	RsBe/PL	**N432**	2PP/RsM/PM/2PBe	**N732**	PRx
N133	RsCz/2PM/2PL/2PM	**N433**	PCz/PBr	**N733**	RsL/PVd/PM/PL

N134	4PP/PBe	**N434**	PCz/RsVd/RsAz/PM	**N734**	2PVd/PRx/PL
N135	Be, Az, L	**N435**	-	**N735**	RsVd/RsL/PM/PL
N136	RsVd,Paz,PVm	**N436**	Be, Be	**N736**	RsVd/PVd/PL/2PVd
N137	RsP/Paz	**N437**	M, Azclaro	**N737**	RsM/PRx/PL/PAm/PM/PVd/Paz
N138	RsRx/2PLs	**N438**	RsRx/PM/RsL/PM/PL	**N738**	PRx/PVd/PL/PBr
N139	PCz/PAz/PCz	**N439**	PBe/RsRx/PL/PVd/RsRx/PVd	**N739**	PVd/PBe/PBr/PVd/PM/2PVe
N140	RsVd/PVd/Paz	**N440**	PBe/RsVd/PAm/PLs/PVd/PLs/PP/2PVd/2PBr/PL	**N740**	RsVd/PVd/PBe/PVd/PRx/PVd
N141	2PP/RsM/PM/2PBe	**N441**	PVd/RsVd/2PVd/RsRx/PAz/PRx	**N741**	RsL/PM/2PL
N142	PCz/PBr	**N442**	PP/RsRx	**N742**	RsAz/PVd/RsRx/PBr
N143	PCz/RsM	**N443**	RsRx/2PLs	**N743**	RsM/RsVd/PM/PL
N144	rastro cinza, Az	**N444**	PRx/RsRx	**N744**	RsRx/RsVd/PVe/PVd
N145	RsVd/2PM/PRx	**N445**	RsCz/2PP/PAz/RsBe/PRx/PP	**N745**	RsVd/PAm/RsVd/PCz/PVd
N146	rastro cinza	**N446**	PP/RsRx/3PCz	**N746**	PCz/RsVd/PRx
N147	rastro cinza, 1Am cl	**N447**	RsCz/PP	**N747**	RsBe/PBr/2PAm/PRx/PM/Paz
N148	rastro cinza, Az	**N448**	RsP/RsRx	**N748**	RsVd/PVd/PAz/2PVd
N149	rastro cinza, 3 Rosa	**N449**	PP/RsBe/RsRx/PCz/PM/PP	**N749**	PVd/PM/PBe/PM/PVd/PCz
N150	Be, Az, L	**N450**	PP/RsRx	**N750**	PCz/2PVd/PRx/PVd/Pbbe/Paz
N151	RsVd/RsRx/PBr/PRx	**N451**	RsP	**N751**	PL/RsL/PAm/PL/PM/2PVd/PAm/3PVd
N152	PVd	**N452**	RsP/2PP	**N752**	PRx/RsVd/PRx/PM/PRx/PBe
N153	RsVd/2PVd/PL	**N453**	RsP	**N753**	RsBe/RsAm/PAm/PVd/PP/PM
N154	-	**N454**	PP/RsRx	**N754**	PM/RsVd/PBe/RsVd/PVd/Paz
N155	-	**N455**	2PP	**N755**	PVd/Paz
N156	PBe/RsVd/Paz	**N456**	RsRx/PRx	**N756**	-
N157	RsL/Pve/Paz	**N457**	RsP/RsCz/PCz/PAm/PBe	**N757**	RsVd/2PVd/2PBr
N158	não tem	**N458**	PP/RsP/PP	**N758**	Paz/RsVd/Pbe/RsVd/3PBr
N159	RsL/PVe	**N459**	RsCz/2PCz/2PVd/PL	**N759**	RsM/PM/PBr
N160	PBr	**N460**	PCz/RsCz/RsRx	**N760**	RsRx
N161	RsAzcl	**N461**	PCz/PRx/RsCz/PP/RsCz/PBr/PM/PBe	**N761**	PVd/RsVd/PM/RsVd/PL/4PBr/PVd/Pam
N162	-	**N462**	PCz/RsCz/PCz	**N762**	RsVd/PL/Paz

N163	RsBr/PL	**N463**	RsP/PP/PBe/PM	**N763**	RsRx/RsBe/PAm/PVd/PRx/PVdcl/2PP
N164	PAzcl	**N464**	PP/RsCz/RsRx	**N764**	RsRx/PVd/PRx/PVd/PRx/PVd
N165	Pro	**N465**	RsCz/PM	**N765**	RsVd/RsRx/PRx
N166	PAzcl	**N466**	PP/RsCz	**N766**	PP/RsRx/RsP/PRx
N167	PL/RsVd/PBe/PVd/PP/PVd/PVe/PL	**N467**	RsVd/RsRx/PBr/PRx	**N767**	RsP/2PRx/PL/2PVd/2PBe/PVd
N168	RsVd/PBe/PVd/PRx/RsVd/PBr	**N468**	PVd	**N768**	PP/RsRx
N169	RsRx/RsVd/PBr/4PL/3Paz	**N469**	RsVd/2PVd/PL	**N769**	PP/RsRx/PRx/PL/PBe/PM/2PL/PVe
N170	PAz/RsAz/PBr/RsAz	**N470**	2PVd	**N770**	PVd/RsVd/PRx/PVd/PRx
N171	PL/RsAM/PVe/PM/PVe/PM/2PL	**N471**	2PRx/PCz	**N771**	RsL/PL/PAm/RsAz/RsVd/PM/PL
N172	RsVd/PBe/PVd/PBe/RsVd/RsBe	**N472**	PRx	**N772**	PCz/RsBe/PL/PAm/PVd/PBr
N173	PM/Paz/RsVd/RsLs/2PAm/2PRs	**N473**	RsL/PVd/PM/PL	**N773**	2PVd/PL/PM/PL
N174	PVd/RsVd/RsL/PL	**N474**	RsVd/RsRx	**N774**	PRx/PVd/PRx/PBr
N175	PL/RsAz/RsRs/PL/2PBr/PRs	**N475**	PCz/PAz/PCz	**N775**	RsRx/RsVd/PBe/3PLs/Paz
N176	RsVd/RsRx/PRS/PL/PVd	**N476**	RsRx	**N776**	PVd
N177	PL/RsBe/RsVd/PAz/RsL/PBr/PM/2PVe	**N477**	RsVd/2PM	**N777**	PM/PVd/PL/RsRx/2PVd/2PRx
N178	2PVd/2PAz/RsVd/PBr	**N478**	RsVd/PVd/Paz	**N778**	PVd/RsVd/PRx
N179	PBe/RsVd/PAz/PM/PL	**N479**	2PP/RsM/PM/2PBe	**N779**	RsL/PL/PBe/PVdcl/PBe/PLs/PM/PL
N180	4PVd/PRx	**N480**	PCz/PBr	**N780**	PBe/RsL/PL/PBe/2PVd/2PRx
N181	PM/RsVd/PRx/PLs/2PBr	**N481**	PCz/RsVd/RsAz/PM	**N781**	PBe/RsVd/PBr/PVd/PCz/PAz/PRx/2PVd/PRx
N182	PM/RsVd/2PRx/PL	**N482**	RsVd/2PM	**N782**	PCz/RsAm/RsVd/2PBr/PVd/PRx
N183	PL/PBe/RsVd/PAz/PLs/PM/3PL/PBr	**N483**	RsVd/PVd/Paz	**N783**	RsAz/PAz/RsBe/PL/PAz/PL/PP/PM/PVd/PL/Paz
N184	RsVd/PRx/PM/PLs/PL	**N484**	2PP/RsM/PM/2PBe	**N784**	PCz/PVd/RsCz/PL/PAm/PVd/PAm/PVd/RsRx/PBr
N185	PL/PVd/RsL/PRx/RsBe/PCz/PBr/2PL	**N485**	PCz/PBr	**N785**	2PRx/RsRx/PBe/2PL/PM/PVd/PBr/PM
N186	RsVd/PL/2PRx	**N486**	PCz/RsVd/RsAz/PM	**N786**	PAz/RsVd/PVd/PM/PVd/PRx
N187	PCz/PRx/RsAz/PRx/RsRx/PL/PVd	**N487**	PP/RsAz	**N787**	Pbe/RsRx/PL/PM/PL/PM/PAz/2PL
N188	PAz/RsVd	**N488**	RsCz/PM/2PBe	**N788**	RsRx
N189	PL/PVd/PBr/PAz/PVd/PRx/PL/2PBr/PL	**N489**	PVd/RsVd	**N789**	RsVd/2PBr/PVd
N190	PVd/RsVd/PVd/RsVd	**N490**	PP/PVd/PP/PBe/PVd/PM/PL	**N790**	RsVd/RsAm/PVd/PAm/PVd/PBr/PVd
N191	RsVd/PRx/RsVd/PM/2PL	**N491**	PCz/RsVd	**N791**	RsVd/PM/PVd/PM/Paz

N192	2PVd/PRx/PVd/3PL	**N492**	2PVd/RsVd/PVd/PM/2PL	**N792**	RsVd/RsRx/Paz
N193	PBe/PRx/PAz/PBr/PAm/PRx/PVe/2PRx/PAz	**N493**	PVd/RsVd/PVd	**N793**	PBe/RsVd/3PVd/PVe
N194	PVd/2PRx/PAz/PBe/PRx/Paz	**N494**	RsRx/PL	**N794**	RsVd/PAm/RsVd/2PAm/2PVd/6PBr/PVd/PRx
N195	RsL/RsVd/PBr/2PM/2PL/PM	**N495**	PCz/RsVd	**N795**	RsAz/PBr/2PVd/PAz/PBe/PRx/RsBe/RsAz/PRx/PVd
N196	RsAz/PVd/RsVd/PBe/PVd/PRx	**N496**	PCz/RsCz	**N796**	PVd/PRx/2PVd/PRx/PVd/PP/PVd/PRx/2PAz/2PAzcl
N197	3PRx/PRs/PBr/PRs	**N497**	RsCz/PRx/2PP/PM/2PBe/PBr	**N797**	PRx/PVd/PL/PLs
N198	RsVd/3PRx	**N498**	PP/RsCz	**N798**	PVd/PCz
N199	RsM/RsVd/PVd/PBr	**N499**	RsP/2PCz/PBr	**N799**	RsVd/PAm/RsVd/4PVd
N200	RsVd/2PRx	**N500**	PP/RsP	**N800**	PCz/RsCz/RsAm/PVd/PAm/PRx/2PVd/PBr/Paz
N201	RsBe/PAz/RsBe/2PL/2PM/2PBr	**N501**	RsCz/RsP/PP	**N801**	RsRx/PRx/PP/PM/PCz/PM/PVe/PRx
N202	-	**N502**	PP/RsP/PRx	**N802**	RsVd/PRx/PM/PRx
N203	2PBr/RsVd/PAz/PL/PVd/RsVd/2PL	**N503**	PP/RsCz/PRx/PP	**N803**	PBe/RsBe/RsAm/PVd/PM/4PVd
N204	PVd/RsRx/PAz/PRx/PVd/PBe/PRx/PVd/PRs	**N504**	PP/RsRx/PCz	**N804**	PRx/PBe/PRx/2PVd/PRx
N205	RsVd/PVd/PL	**N505**	RsCz/3PCz	**N805**	PM/RsRx/PRx/PBe/PVe/2PL/PBe
N206	RsVd/PRx/PL	**N506**	PP/RsCz/2PCz	**N806**	RsRx/PVd/PRx
N207	2PBe/PAz/PBe/PRx/PVd/PL/PM/PL	**N507**	RsCz/2PM/2PL/2PM	**N807**	PM/RsBe/PVd/RsVd/2PM/2PL
N208	2PAz/PVd/PRx/PVd/PAz/PBr/PL	**N508**	PP/RsCz/2PCz	**N808**	RsAz/PBe/RsVd/2PVd
N209	RsL/PBr/2PM/2PL/PCz/Paz	**N509**	4PP/PBe	**N809**	RsRx/PL/PRx/PM/PVd/PP/2PLs/2PL/2Paz
N210	PVd/RsVd/PRx	**N510**	2PP/2PCz	**N810**	PAz/PVd/PAz/PL/PAm/PVd/PBe/PVd/RsRx/3PRx
N211	RsVd/PVd/PAz/PVd/PBr/PCz/PRx	**N511**	PVd/RsVd/PRx	**N811**	PM/RsBe/PL/Pam/RsCz/PBe/2PBr/PP/PM/PVd
N212	RsVd/PRx/PVd/PRx/2PVd	**N512**	RsVd/RsRx/Paz/PRx/3PL	**N812**	RsRx/RsBe/PAm/RsBe/Pam
N213	RsBe/PAm/2PL	**N513**	PBe/RsAz/PVd/PRx/Paz	**N813**	PL/PBe/PVd/PM/PVd/PM/PBe/PVd/PBr
N214	RsRx/RsVd	**N514**	RsBe/PAz/2PL	**N814**	PBe/RsBe/PVd/PBe/3PVd/PRx/PLs
N215	rastro cinza	**N515**	PRx/RsRx/RsVd	**N815**	RsRx/RsL/4PAm/PLs/PAz/2PP/PL/2PM
N216	rastro cinza, 1Am cl	**N516**	2PRs	**N816**	PVd/RsVd/3PAm/RsRx/PLs
N217	rastro cinza, Az	**N517**	Paz	**N817**	PBe/RsVd/PBe/PRx/PBe/PM/2PL/2PVd/3PL
N218	rastro cinza, 3 Rosa	**N518**	NÃO TEM	**N818**	PAz/RsVd/PBe/PRx/PVd/PBe/RsRx/PBe/PVd
N219	RsRx/PL	**N519**	RsVd/PRx/PVd/PRx/2PVd	**N819**	RsVd/PVd/PBr/Pam
N220	PCz/RsVd	**N520**	RsBe/PAm/2PL	**N820**	PVd/RsVd/3PVdcl

N221	RsRx/RsBe/PVd/2PL	**N521**	RsRx/RsVd	**N821**	PAz/PBe/RsBe/PL/PRx/2PP/PM
N222	PCz/PVd	**N522**	RsVd,Paz,PVm	**N822**	PVd/RsVd/RsAz/PL/PRx/PL/PVd/RsRx/PVe/PVd
N223	2PCz/PVd/RsVd/2PVd/PL	**N523**	RsVd,Paz	**N823**	RsVd/PVd/RsM
N224	RsVd/PVd	**N524**	RsVd/RsRx/PBr/PRx	**N824**	RsVd/RsRx/PVd/PRx
N225	2PCz/PVd	**N525**	Be, Az, L	**N825**	RsRx/RsM/2PVd/PM/2PL/2PAm/PRx/PL
N226	2PCz	**N526**	RsVd/RsRx/PBr/PRx	**N826**	RsVd/PVd/2PCz
N227	2PCz/RsRx/PBe/PVd/PM/PL/2PBe	**N527**	PVd	**N827**	RsRx/PL/PVd/PBe
N228	PCz/RsVd/PBe/PVd	**N528**	RsVd/2PVd/PL	**N828**	RsVd/PBr/PRx
N229	RsP/RsCz/PP/PVd	**N529**	RsAz,PRx,PVm	**N829**	PL/RsCz/PBr/PL/PVd/PBe/PVd/2PM/PCz/PL
N230	PCz/PVd	**N530**	Paz,RsAz,RsCz,PRx	**N830**	RsVd/PL/PBe/PRx
N231	2PP/RsVd/PVd/PBr	**N531**	RsVd,Paz,PVm	**N831**	RsVd/RsBe/PL
N232	PRx	**N532**	RsVd,Paz	**N832**	RsVd/PAz/PBe/RsRx/PBr
N233	PRx/RsVd/PL	**N533**	PVd	**N833**	RsBe/PVd/RsBe/PVd/RsVd/PM/PCz/2PL
N234	PP/RsVd/2PVd	**N534**	RsP/Paz	**N834**	PM/RsVd/PVd/RsAz/PVd/RsRx/3PLs
N235	PRx/PAz/RsM	**N535**	RsP/Paz	**N835**	PL/PAm/RsBe/RsVd/PVd/PCz/PVd/PRx/PL/PVd
N236	PCz/RsVd	**N536**	PRx/PVd/PRx/PL/PVd	**N836**	PVd/PAm/PVd/PAm/PBr/2PAm/PVd/PBr
N237	2PCz/PVd/RsVd/2PVd/PL	**N537**	2PRx/PVd/PL/PRx	**N837**	PAm/RsVd/PBe/PVd/PM/PL/Pam
N238	2PCz/PVd	**N538**	2PRx/PVd/PRx/PVd/PRx/PVd	**N838**	PVd/Pam/4PVd/RsVd
N239	PRx	**N539**	PBe/RsRx/PL/PAm/RsRx/PVd/PRx	**N839**	PL/RsBe/PAz/RsVd/2PM/PL
N240	PRx/RsVd/PL	**N540**	RsVd/PBr	**N840**	RsVd/3PBe/PRx/RsLs/PRx
N241	RsVd/2PL	**N541**	PAz/RsVd/PBr/PVd	**N841**	RsRx/RsM/2PBe/PM/Pam
N242	PCz/2PBe	**N542**	PP/RsCz/Paz	**N842**	PAz/RsVd/PAm/PBe/PRx
N243	RsBe/3PM	**N543**	RsCz/RsVd/PCz	**N843**	RsL/PL/PBr/PL/PM/PL/PVd/PRx/PL/Paz
N244	RsVd/RsRx	**N544**	RsCz/RsVd	**N844**	PM/RsL/PL/RsRx/3Pam
N245	RsRx	**N545**	RsCz	**N845**	RsVd/PAm/RsVd/RsL/PVd/Pam
N246	RsP/Paz	**N546**	RsCz	**N846**	PVd/RsVd/PAm/RsVd/4PVd
N247	PCz/PP	**N547**	PP	**N847**	PBe/RsBe/PAz/PM/PRx/PL/PLs
N248	PP/RsVd/RsVd	**N548**	PRx/RsRx	**N848**	RsVd/PBe/RsRx/Paz
N249	2PBr/RsVd/PAz/PL/PVd/RsVd/2PL	**N549**	PBe/RsVd/PAm/PLs/PVd/PLs/PP/2PVd/2PBr/PL	**N849**	RsRx/PVd/RsBe/PP/PVd/PAz/PLs

N250	RsP/Paz	**N550**	PVd/RsVd/2PVd/RsRx/PAz/PRx	**N850**	PCz/RsVd/PRx/PVd/RsRx/PBr/Paz
N251	RsCz	**N551**	PP/RsRx	**N851**	RsBe/PVd/PAm/PM/2PAm/PL/PM
N252	RsVd/Paz	**N552**	RsRx/2PLs	**N852**	RsVd/RsRx/PL/PRx
N253	RsRx/PVd/RsRx/PVd	**N553**	PRx/RsRx	**N853**	RsVd/PVd/RsVd/PVd/PL
N254	RsVd	**N554**	RsCz/2PP/PAz/RsBe/PRx/PP	**N854**	PCz/RsVd/PVd/RsVd/PBr/PRx
N255	PRx/3PAz/PBe/Paz	**N555**	-	**N855**	RsRx/PM/RsL/PM/PL
N256	PCz/RsVd/PAz/PVd/PAz/PRx	**N556**	-	**N856**	PBe/RsRx/PL/PVd/RsRx/PVd
N257	RsP/RsVd/3PM/2PVd	**N557**	RsVd/RsRx	**N857**	PBe/RsVd/PAm/PLs/PVd/PLs/PP/2PVd/2PBr/PL
N258	RsP/RsVd	**N558**	PCz/PAz/PCz	**N858**	PVd/RsVd/2PVd/RsRx/PAz/PRx
N259	RsVd/RsAz/RsRx/3PBe	**N559**	RsRx	**N859**	PBr/RsAz/PVd/RsBe/PL/Pam
N260	PVd/RsRx	**N560**	RsVd/2PM	**N860**	RsVd/3PVd/PRx/PAz/PRx
N261	RsP	**N561**	RsVd/PVd/Paz	**N861**	PVd/RsBr/PVd/PBr/PAz/PBe/2PBr/PBe
N262	PCz/PP	**N562**	2PP/RsM/PM/2PBe	**N862**	RsVd/PBr/RsRx/PAz/PL/PAz/PBr/PRx
N263	PP/RsVd/PVd	**N563**	PCz/PBr	**N863**	2PVd/PM/PVd/PRx/PM/PL
N264	-	**N564**	PCz/RsVd/RsAz/PM	**N864**	RsVd/PBe/PVd/PRx/PBe/PVd/PRx/PVd
N265	RsRx/5PVd	**N565**	RsRx	**N865**	RsVd/4PVd/2PAz/PL
N266	PRx	**N566**	RsVd/PVd	**N866**	PAm/RsVd/2PVd/PRx
N267	PVd/RsRx/PP/PCz	**N567**	RsVd/2PAz/PL	**N867**	PRx/RsBe/RsL/PM/PL
N268	RsVd/RsRx	**N568**	2PRx/PVd/PL/PRx	**N868**	PCz/RsCz/PBe
N269	RsRx/PP/PBe	**N569**	RsVd/PVd/Paz	**N869**	PP/PCz/2PAz/RsCz/PVd/3PVdcl
N270	PVd/RsVd	**N570**	2PP/RsM/PM/2PBe	**N870**	PCz/PVd
N271	RsVd/RsAz/2PP/PM	**N571**	PCz/PBr	**N871**	2PBe
N272	PCz/RsVd/RsAz	**N572**	PVd/2PRs	**N872**	PBe/PVd
N273	RsL/PP/2PL	**N573**	RsBe/RsL/PM/PL	**N873**	PVd/PP/PVd
N274	Paz	**N574**	RsVd/PAm/RsVd/PBr/PRx	**N874**	PAm/PVd/PBe/Pam
N275	RsP/RsVd/PP/PM/PBe	**N575**	RsRx/PBr/PVd/PBr	**N875**	RsCz/2PVd/PCz/PRx/RsBe/2PP/PM
N276	PRx	**N576**	RsVd/RsRx/PBr/PRx	**N876**	PCz
N277	RsRx/PVdcl/PP	**N577**	RsBr/RsL/PM/PBr	**N877**	RsVd/PAm/PVd/PAz/PVd
N278	PCz/RsAz/PBe/Paz	**N578**	RsAz	**N878**	RsVd

N279	PVd/PP/PM	**N579**	RsL/PM/PL	**N879**	RsCz/RsL/PBe/2PM
N280	PCz/PVd/PAz/PVd	**N580**	RsAz	**N880**	PAz/PBe/PL
N281	PBe/PVd/PBe/2PAz/PVd/PP/2PAz/PM	**N581**	RsAm/RsL/PBr/PVd/PBe/PL	**N881**	PCz/RsBe/PBe/2PAz/2PVd
N282	PCz/RsVd	**N582**	RsP/Paz	**N882**	PCz/RsBe/PRx/PVd
N283	RsVd/PAz/RsVd/PM	**N583**	RsVd/PVd/PBr/Pam	**N883**	PVd/PL/PVd/2PBe/2PVd
N284	NÃO TEM	**N584**	PVd/RsVd/3PVdcl	**N884**	PVd/PAm/RsBe/PVd/PRx
N285	RsVd/RsAz/2PAz/PBr/3PVd	**N585**	PAz/PBe/RsBe/PL/PRx/2PP/PM	**N885**	2PBe/PVd/2PBe/2PCz/2Paz
N286	PVd/RsAz	**N586**	PVd/RsVd/RsAz/PL/PRx/PL/PVd/RsRx/PVe/PVd	**N886**	3PBe
N287	RsVd/PM	**N587**	RsVd/PBr	**N887**	RsVd/PAz/PVd/2PAz/2PCz
N288	PVd	**N588**	RsVd/RsRx/PBr/PRx	**N888**	PCz/RsVd/PVd/Paz
N289	RsCz/PVd/PAz/6PVd/PL	**N589**	PCz/RsVd	**N889**	PCz/PL/PVd/PM/PVd
N290	RsCz/2PVd/PRx/2PVd	**N590**	RsP/Paz	**N890**	PCz/RsVd/PBr/PVd
N291	RsVd/2PM	**N591**	PRx/PVd/PRx/PL/PVd	**N891**	RsVd/PP/PVd/PM
N292	PCz/RsVd/PRx	**N592**	2PRx/PVd/PL/PRx	**N892**	PCz/2PAm/5PVd
N293	2PCz/RsRx/PL/PVd/2PM/2PL	**N593**	2PRx/PVd/PRx/PVd/PRx/PVd	**N893**	RsVd/PBe/PM/PVd/2PAm/2PM
N294	PCz/RsAz/PVd	**N594**	PBe/RsRx/PL/PAm/RsRx/PVd/PRx	**N894**	PCz/RsBe/PM/PBe/PVd
N295	PCz/RsVd/PAz/PVd/PM/2PL	**N595**	RsVd/PBr	**N895**	RsCz/PAz/RsRx/Paz
N296	PP/RsVd	**N596**	PAz/RsVd/PBr/PVd	**N896**	PP/PCz/PAz/PRx
N297	RsCz/PL	**N597**	PCz/RsVd/RsAz/PM	**N897**	RsBe/PVd/PBe/PAz/PBe/PAz/PBe/PP/2PAz/PM
N298	RsCz	**N598**	PP/RsAz	**N898**	RsVd/PAz/PVd/PAz/PRx/PL/PVd
N299	RsCz/RsVd/Paz/2PCz	**N599**	RsCz/PM/2PBe	**N899**	RsBe/RsL/2PM/PL
N300	PCz/RsAz	**N600**	PVd/RsVd	**N900**	RsCz/PBe/PL/PVd/PL/PVd
N301	RsCz/RsRx/PBe/2PVd/PM/3PL	**N601**	PP/PVd/PP/PBe/PVd/PM/PL	**N901**	PAz/RsCz/RsP
N302	PP/RsRx/2PVd	**N602**	PCz/RsVd	**N902**	RsAz/RsL
N303	2PCz/RsVd	**N603**	2PVd/RsVd/PVd/PM/2PL	**N903**	RsVd/RsAm
N304	PCz/RsVd	**N604**	PVd/RsVd/PVd	**N904**	PCz/2PAm/PCz/PAm/PBr
N305	2PCz/PVd/PAz/PAm/PL/PRx/PM/PL	**N605**	RsAz	**N905**	RsAz/PVd/2Paz
N306	PCz/PVd/PAz/PL	**N606**	RsL/PM/PL	**N906**	RsAz
N307	PCz/RsCz/RsBe/PVd/PM/2PL	**N607**	RsAz	**N907**	PL/PRx/3PAm/2PM/2PL

N308	PCz/RsVd	**N608**	RsAm/RsL/PBr/PVd/PBe/PL	**N908**	PBr/PAm/PRx/2Pam
N309	PCz/RsVd/PVd	**N609**	RsP/Paz	**N909**	RsBr/PAm/PVd/PAm/PM/PL/PBe
N310	PP/RsAz	**N610**	PRx/Paz	**N910**	PCz/PAm/PVd/PAm/PVd/PAm/2PRx
N311	PP/RsVd/Paz	**N611**	RsP/Paz	**N911**	PL/PAm/PL/PAm/PL/PAm/PP/PCz/2PLs
N312	PP/RsAz	**N612**	RsRx/PBr/PVd/PBr	**N912**	RsRx/PL/PVd/PBe/PL/PBr
N313	2PRx	**N613**	RsVd/RsRx/PBr/PRx	**N913**	PL/PVd/PAz/PVd/PAz/PL/PBe/PBr/PL/PBe/PRx/PM/PL
N314	PCz	**N614**	RsBr/RsL/PM/PBr	**N914**	PVd/PRx/PBe/PRx/PBe/PVd
N315	PBr/PP/PCz	**N615**	RsVd	**N915**	PL/RsRx/PL/RsBe/PL/PM/PL
N316	RsAz/PBe/PVd	**N616**	PVd/RsVd	**N916**	RsCz/PAz/PL/PAm/PCz/RsRx/PVd
N317	2PP/RsCz/PP/PM	**N617**	PRx/Paz	**N917**	RsAm/PAz/2PVd/PRx/PBr
N318	PP/PCz	**N618**	RsVd/2PAz/PL	**N918**	RsAm/PVd
N319	PBe/RsAz/PAz/PVd	**N619**	RsBe/PVd/PBe/PVd/2PBe/PVd/PBr/PL	**N919**	RsL/RsRx/PBr/PLs
N320	PCz/RsRx/PRx	**N620**	PBe/RsRx/PL/PAm/RsRx/PVd/PRx	**N920**	PAz/RsVd/Paz
N321	NÃO TEM	**N621**	RsVd/PBr	**N921**	RsAz/PBr/PAz/PVd/PAz/RsVd/PAz/PBe
N322	RsP/PVd	**N622**	PAz/RsVd/PBr/PVd	**N922**	PVd/PRx/PVd/PBe
				N923	PL/RsVd/RsL/PM/PL
				N924	PVd/RsAm/RsVd/PRx/PVd

Legenda de cores

Am= Amarelo, **Az=** Azul, **Azes**= Azul-escuro, **Be=** Bege, **Br=** Branco, **cl=** Claro, **Cz=** Cinza, **L=** Laranja, **Ls=** Lilás, **M=** Marron, **P=** Ponto, **PP=** Ponto Preto, **PRs=** Ponto Rosa, **Rx=** Roxo, **Vd=** Verde, **Ve=** Vermelho.