Table S1. Ethnobotanical values and allelopathic activities of medicinal plants cited by local informants in the Ejisu-Juaben Municipality

Family, scientific name, voucher No.	Local names	Part(s) used	Ailment(s) treated	Preparation and mode of administration)	Ethnobotanical indices			Allelopathy (% Growth inhibition)					
					FL	UV	RFC	SW (10 mg/10 mL Agar)			Dish pack (200 mg/DP)		
								R%	H%	Criteria*	R%	H%	Criteria*
Acanthaceae													
Justicia flava Vahl. CPMR 4089	Afama	L	Malaria, **diarrhoea,** Piles Swollen joint	Decoction (oral) Poultice (Topical)	60.0	0.14	0.13	45.4	-2		47.7	34.2	***
Amaranthaceae													
Alternanthera pungens Kunth CPMR 4090	Nkasɛɛ nkasɛɛ	L	**Constipation,** headache	Paste (Enema)	81.8	0.08	0.06	57.4	19.1	*	84	63	****
Amaranthus spinosus L. CPMR 4092	Nantwibini	Wp	Malaria, dewormer, **fever** Delayed baby walking	Decoction (oral) Crush (Bath)	47.1	0.12	0.06	66.4	57.3	**	36.8	1.7	**
Pupalia lappacea (L.) A Juss. CPMR 4091	Apɔsɔmpɔ	L	Boils	Paste (Topical)	100	0.04	0.02	22	17.7		-5	-20	
Anacardiaceae													
Lannea welwitschii (Hiern) Engl. 4093	Kumnini	SB, L	**Child fever**,	Decoction (Bath)	66.7	0.02	0.01	4.3	-11		1.7	-15	
Mangifera indica L. CPMR 4095	Amango	SB L	**Diarrhoea** Cough, bedwetting, low sperm count, **fever**	Paste (Enema) Decoction (oral)	50	0.09	0.1	55.7	21.1	*	19.3	17.5	
Annonaceae													
Cleistopholis patens (Benth.) Engl. & Diels CPMR 4070	Ngo ne nkyene	L/SB, F R/SB, Se	Stomach ache, fever **malaria,** typhoid Hernia, piles	Decoction (oral) Paste (enema)	90.7	0.54	0.37	67.6	12.7	**	16.7	1.6	
Apocynaceae													
Alstonia boonei De Wild. CPMR 4096	Nyamedua	SB	**Measles,** chicken pox, boils, shingles Malaria	Crush (Topical) Decoction (oral)	70	0.36	0.22	71.5	35.8	***	14.4	8.2	
Funtumia elastica (Preuss) Stapf. CPMR 4097	Funtum	SB	Stroke, **stop alcoholism**	Infusion (oral)	66.7	0.02	0.01	34.7	27.7		-2	-15	
Rauvolfia vomitoria Afzel. CPMR 4081	Kakapenpen	L, R SB	Malaria, **body pains** Piles, chicken pox	Decoction (oral) Crush (Topical	41.7	0.09	0.09	43.9	2.7		10	-7	
Asclepiadaceae													
Secamone afzelii (Roem. & Schult.) K.Schum. CPMR 4098	Kwantemaa	L	**Severe skin rashes**	Crush (Topical)	100	0.03	0.01	45.1	-20		10.4	1.7	
Parquetina nigrescens (Afzel). Bullock CPMR 4102	Abakamo	SB L SB	Wounds, snake bite Family planning **Piles**	Paste (Topical) Paste (Topical) Squeeze (Topical)	40	0.04	0.02	24.4	14.7		14.4	4.7	
Araceae													
Xanthosoma mafaffa Schott CPMR 4099	Mankani	L	Snake bite, **wounds** Blood tonic	Squeeze (Topical) Cooked (Oral)	60	0.07	0.04	36.4	13.7		10.7	1.3	
Arecaceae													
Cocos nucifera L. CPMR 4100	Kube	L, R, R R	Ulcers, Piles **Erectile dysfunction,** Toothache, bad breathe	Decoction (oral) Infusion (Oral) Decoction (Oral)	45.5	0.08	0.04	43.2	24.7		12.8	1.8	
Elaeis guineensis Jacq. CPMR 4101	Abɛ	R	**Stroke**	Crush (Topical)	100	0.02	0.02	10.7	4.8		30.7	21.1	*

Table S1. ***continued***

Family, scientific name, voucher No.	Local names	Part(s) used	Ailment(s) treated	Preparation and mod of administration)	Ethnobotanical indices			Allelopathy (% Growth inhibition)					
					FL	UV	RFC	SW (10 mg/10 mL Agar)			Dish pack (200 mg/DP)		
								R%	H%	Criteria*	R%	H%	Criteria*
Asphodelaceae													
Aloe cf. tenuifolia Lam. CPMR 4103		L	Appetizer, **Skin rashes**	Decoction (Oral/topical)	75	0.06	0.03	21.7	17.7		10.7	2.6	
Asteraceae													
Melanthera scandens Schu, Nach. & Thonn. CPMR 4077	Mfofo	L,	**Wounds**	Paste (Topical)	100	0.04	0.01	14.1	-14		-6	-11	
Vernonia amygdalina Delile CPMR 4088	Awɔnwono	L	Diarrhoea, typhoid, **malaria**	Decoction (Oral)	65.2	0.16	0.24	37.1	-4		12.2	-17	
Ageratum conyzoides L. CPMR 4105	Guakro	L, R	**Eye disease,** constipation	Raw (oral)	42.9	0.05	0.01	56.8	-2	*	17.7	1.8	
Eclipta alba Hassk. CPMR 4106	Ntum	L	**Eye diseases** Constipation	Squeeze (topical) Squeeze (topical)	50	0.04	0.11	68	57.7	**	61.8	47.7	****
Asteraceae													
Bidens pilosa L. CPMR 4107	Gyinantwi	L,	Typhoid, malaria, **itchy ear**	Decoction/paste (oral/topical)	40	0.04	0.01	24.4	20.5		10.4	1.7	
Bignoniaceae													
Kigelia africana (Lam.) Benth. CPMR 4074	Nufutin	SB	**Stomach ache**	Decoction (oral)	100	0.04	0.02	13.6	9.7		1.8	-5	
Spathodea campanulata P. Beauv. CPMR 4084	Kuakuanisuo	L, SB	Typhoid, **malaria** Wounds	Decoction (oral) Paste (topical)	66.7	0.15	0.11	71.3	16	***	10.6	21.5	
Crescentia cujete L. CPMR 4108	Kɔntoa	L	Fever, **pregnancy care**	Decoction (oral)	57.1	0.05	0.01	23.8	-6		14.4	1.4	
Newbouldia laevis (P.Beauv.) Seem. CPMR 4109	Sɛsɛmasa	L SB	Stomach upset, waist pain Pregnancy care, **Cough**, High blood pressure	Paste (enema) Raw (oral)	26.7	0.11	0.09	61.9	49	**	31.7	21.1	*
Taraxacum officinale F.H.Wigg. CPMR 4104	Dandelion	L	Blood tonic, fever, ulcer	Decoction (oral)	42.9	0.05	0.04	23.1	11.8		0.2	-8	
Boraginaceae *Heliotropium indicum* L. CPMR 4110	Akonfɛm atikɔ	L	Headache Stomachaches, **pregnancy care,** headache Anaemia	Crush (topical) Shred (topical) Decoction (oral)	33.3	0.09	0.08	65.6	-5	**	9	4.7	
Bromeliaceae *Ananas comosus* (L.) Merr. CPMR 4111	Abrɔbɛ	L F	Worms, itching ear **Malaria,** severe fever	Rub (oral/enema) Decoction (oral)	62.5	0.06	0.04	17.7	14.4		14.8	5.2	
Caricaceae *Carica papaya* L. CPMR 4112	Brɔferɛ	L R, Se	**Malaria** Ease delivery, Anthelmintic	Cook (oral) Raw (oral)	30.6	0.26	0.25	86.2	62.4	****	37.7	24.8	**
Combretaceae													
Combretum smeathmannii G. Don. CPMR 4113	Hwirɛmoo	L	**Migraine,** baby delivery	Raw/rub (oral)	60	0.04	0.03	28.7	21.8		20.2	4.4	
Terminalia catappa L. CPMR 4114	Abrɔfo nkatɛɛ	L	Severe fever, **malaria**	Decoction (oral)	66.7	0.04	0.04	59.9	37.8	**	28.1	2.2	*
Terminalia ivorensis A.Chev. CPMR 4115	Ɛmirɛ	SB	Piles	Powder (oral)	100	0.04	0.03	12.8	6.4		1.7	-5	
Compositae *Chromolaena odorata* (L.) R.M.King & H.Rob. DC. CPMR 4116	Akyeampong	L	Blood clotting, **wounds**	Squeeze/rub (topical)	61.5	0.09	0.07	66.2	14.2	**	11.1	1.6	

Table S1. ***continued***

Family, scientific name, voucher No.	Local names	Part(s) used	Ailment(s) treated	Preparation and mode of administration)	Ethnobotanical indices			Allelopathy (% Growth inhibition)					
					FL	UV	RFC	SW (10 mg/10 mL Agar)			Dish pack (200 mg/DP)		
								R%	H%	Criteria*	R%	H%	Criteria*
Crassulaceae *Kalanchoe integra* Kuntze. CPMR 4118	Egorɔ	L Wp	**Headache,** cold, Phlegm Stroke	Squeeze (topical) Decoction (oral)	61.9	0.15	0.14	66.8	59.8	**	43.7	14.7	***
Cucurbitaceae *Momordica charantia* L. CPMR 4078	Nyanya	L	**Abdominal pains,** fever, measles, Gonorrhoea, headache Snake bite	Shred (topical) Decoction (oral) Squeeze (topical)	60.7	0.20	0.15	78.7	30.1	***	-1	-4	
Euphorbiaceae													
Mareya micrantha (Benth.) Müll.Arg. CPMR 4119	Odubrafoɔ	L	**Waist pains**	Paste (enema)	100	0.04	0.03	13.7	10.8		1.7	-20	
Ricinodendron heudelotii (Baill.) Heckel CPMR 4120	Ɔnwama	L L, R	**Malaria,** Waist pains	Decoction (oral) Shred (topical)	60	0.04	0.04	34.1	24.6		14.4	1.7	
Phyllanthus muellerianus (Kuntze.) Exell. CPMR 4121	Awobɛ	L	**Wounds**	Squeeze (topical)	100	0.03	0.01	31.2	-26		12.3	11.5	
Mallotus oppositifolius Müll.Arg. CPMR 4076	Nyanyafurowa	L	Waist pains, **Constipation**	Poultice (topical) Paste (enema)	75	0.06	0.06	43.1	17.7		9.9	11.4	
Manihot esculenta Crantz CPMR 4122	Bankye	L, Se	Fever **Blood clotting,** wounds	Decoction (oral) Squeeze (topical)	44.4	0.06	0.06	57.7	24.7	*	16.9	9.2	
Alchornea cordifolia (Schumach. & Thonn.) Müll.Arg. CPMR 4065	Ogyama	L, SB SB	Constipation Fever, **malaria** Wounds, **piles**	Paste (enema) Decoction (oral) Rub (topical/enema	31	0.21	0.16	51.7	21.8	*	6.3	7.5	
Phyllanthus urinaria L. CPMR 4080	Bɔwomaguwakyi	L	Blood pressure, **malaria** Sore throat, ulcer	Decoction (oral) Raw (oral)	37.9	0.21	0.16	68.5	47.7	**	61.7	43.1	****
Jatropha curcas L. CPMR 4123	Nkrangyedua	R, L L, R	Severe cough **Wounds,** piles Toothache	Crush (oral) Paste (enema) Poultice (buccal)	30.8	0.09	0.09	42.6	21.3		5.3	6.6	
Fabaceae													
Senna occidentalis (L.) Link CPMR 4082	Nkwadaa brodeɛ	L R	**Stomachaches,** malaria Serious vomiting, cough	Decoction (oral) Raw (oral)	79.6	0.35	0.21	58.4	-10	*	7.4	10.3	
Tetrapleura tetraptera (Schum. & Thonn.) Taub. CPMR 4087	Prɛkɛsɛ	F	**Typhoid,** asthma, blood tonic	Decoction (oral)	50	0.04	0.06	42.8	-6		50.7	30.7	***
Acacia pennata Willd. CPMR 4124	Nwerɛ	L	Skin rashes **Fever**	Powder (topical) Decoction (oral)	75	0.03	0.02	15.7	10.4		1.7	-20	
Griffonia simplicifolia (DC.) Baill. CPMR 4073	Kagya	Se	**Stomachaches**	Raw (oral)	100	0.02	0.02	44.2	15.9		2.8	0	
Senna alata (L.) Roxb. CPMR 4083	Sempe	L	**Eczema, ringworm, dandruff, skin rashes** Stomachaches, fever	Poultice (topical) Decoction (oral)	33.3	0.28	0.16	62.9	22.6	**	14.6	13.8	
Mimosa pudica L. CPMR 4125	Mumuanka	L	**Wounds**	Powder (topical)	100	0.02	0.02	39.1	1.1		6.3	11.4	
Albizia ferruginea (Guill. & Perr.) Benth. CPMR 4126	Awiemfoɔsamena	R, L	**Waist pains,**	Poultice (enema)	100	0.02	0.01	9.3	-4		10.8	2.7	
Dalbergia saxatilis Hook.f. CPMR 4127	Ahomakyɛm	SB	**Piles,** ritual	Decoction (oral/topical)	66.7	0.02	0.02	3.6	-16		12.7	1.7	

Table S1. ***continued***

Family, scientific name, voucher No.	Local names	Part(s) used	Ailment(s) treated	Preparation and mode of administration)	Ethnobotanical indices			Allelopathy (% Growth inhibition)					
					FL	UV	RFC	SW (10 mg/10 mL Agar)			Dish pack (200 mg/DP)		
								R%	H%	Criteria	R%	H%	Criteria
Acacia pycnantha Benth. CPMR 4128	Akasia	SB	**Wounds**	Poultice (topical).	100	0.02	0.02	25.8	13.9		14.7	21.7	
Albizia zygia (DC.) J.F.Macbr. CPMR 4129	Ɔkorɔ	L	**Blood tonic** Stomachaches	Cooked (oral) Decoction (oral)	50	0.03	0.02	15.5	-24		11.1	4.2	
Abrus precatorius L. CPMR 4130	Nyame eni	Se	**Epilepsy**	Powder (oral)	100	0.02	0.02	15.7	11.4		1.7	-1	
Lamiaceae													
Ocimum gratissimum L. CPMR 4131	Nunum	L, Se	Headache, **diarrhoea,** malaria Itchy ear, phlegm, convulsion	Decoction (oral) Squeeze (topical)	38.5	0.37	0.35	62.3	-24	**	4.3	18.2	
Hoslundia opposita Vahl. CPMR 4132	Nunum nini	L, Se	Malaria, **phlegm**	Decoction (oral)	57.1	0.05	0.03	33.7	21.1		24.7	14.9	
Lauraceae													
Persea americana Mill. CPMR 4133	Paya	L	**Fever**	Decoction (oral)	100	0.06	0.09	20.8	-6		6	-1	
Lecythidaceae													
Petersianthus macrocarpus (P. Beauv.) Liben CPMR 4134	Asia	L	**Constipation**	Paste (enema)	100	0.02	0.02	30.2	13.7		21.1	13.7	
Liliaceae													
Allium sativum L. CPMR 4135	Garlic	Cloves	**Cough**	Raw/paste (oral)	100	0.04	0.04	25.7	13.9		2.7	-12	
Loganiaceae													
Anthocleista nobilis G. Don CPMR 4066	Owudifo kɛtɛ	R, L	**Piles,** hernia, Jaundice, Typhoid	Decoction (oral)	33.3	0.04	0.05	49.3	20.4	*	4.3	-19	
Loranthaceae													
Tapinanthus bangwenis (Engl.& K. Krause) Danser CPMR 4085	Nkrapan	Wp	**Fever**	Decoction (topical)	82.4	0.12	0.13	57.7	34.8	*	39.2	21.1	**
Malvaceae													
Ceiba pentandra (L.) Gaertn. CPMR 4069	Onyina	SB, F	**Measles**, back pain, sting removal	Powder (topical)	50	0.03	0.04	31	0.7		21.6	7.8	
Abelmoschus esculentus Moench. CPMR 4137	Nkruma	F, Se	**Child delivery,** wounds	Rub (topical)	80	0.04	0.03	30.7	12.9		1.7	-2	
Sida acuta Burm. f. CPMR 4138	Tweta	L, R L	**Pregnancy care** Cough, sore throat	Paste (enema) Squeeze (oral)	57.1	0.05	0.04	56.8	4.4	*	4.2	9	
Meliaceae													
Khaya senegalensis (Desv.) A.Juss. CPMR 4141	Mahogany	L, SB	Malaria, blood pressure **Boils**	Infusion (oral) Crush (topical)	53.3	0.11	0.12	42	6.2		39.7	21.1	**
Meliaceae													
Azadirachta indica A. Juss. CPMR 4067	Neem tree	L, SB	**Malaria**	Decoction (oral)	100	0.33	0.25	74.7	25.9	***	13.6	-1	
Cedrela odorata L. CPMR 4142	Gyenegyene	SB	**Migraines**	Squeeze (oral)	100	0.02	0.02	4.7	-13		1.7	-18	
Moraceae													
Ficus exasperata Vahl. CPMR 4072	Nyankyerɛnee	L, SB, L	**Malaria** Wound, shingles Abnormal foetus position	Decoction (oral) Poultice (topical) Cooked (oral)	33.3	0.11	0.09	70	19.5	***	9.9	2.9	
Ficus capensis Thunb. CPMR 4144	Ɔdoma	L	**Stomachaches**	Decoction (oral)	100	0.03	0.03	9.5	-21		8.7	0	

Table S1. ***continued***

Family, scientific name, voucher No.	Local names	Part(s) used	Ailment(s) treated	Preparation and mode of administration)	Ethnobotanical indices			Allelopathy (% Growth inhibition)					
					FL	UV	RFC	SW (10 mg/10 mL Agar)			Dish pack (200 mg/DP)		
								R%	H%	Criteria	R%	H%	Criteria
Moringaceae													
Moringa oleifera Lam CPMR 4145		Se, L L	**Ulcer,** fever High blood pressure	Infusion (oral) Squeeze (oral)	54.5	0.08	0.09	34.8	22		34.1	24.7	*
Musaceae													
Musa paradisiaca L. CPMR 4146	Brɔdeɛ	L, R, Fl L, R	**Wounds** Fever, headache Delayed child walk	Squeeze (topical) Decoction (oral) Powder (enema)	40	0.11	0.10	36	4		30	8.2	*
Myrtaceae													
Psidium guajava L. CPMR 4148	Gua	L,	Chicken pox **Measles** Candidiasis	Rub (topical) Decoction (oral)	66.7	0.05	0.07	21.4	11.1		8.9	12.6	
Nephrolepidaceae													
Nephrolepis biserrata (Sw.) Schott CPMR 4149	Aya	L	**Blood tonic** Toothache	Decoction (oral) Paste (oral)	66.7	0.02	0.02	34.8	21.1		14.7	1.8	
Pedaliaceae													
Sesamum indicum L. CPMR 4150	Sesame	Se	**Blur eye sight**	Raw (oral)	100	0.02	0.02	18.4	5.5		17.7	9.7	
Phytolaccaceae													
Hilleria latifolia (Lam.) H.Walter CPMR 4151	Anafranaku	L	**Child Fever**	Decoction (topical)	100	0.02	0.03	34.1	17.1		10.7	1.8	
Poaceae													
Saccharum officinarum L. CPMR 4152	Ahwedeɛ	L	Malaria	Decoction (oral)	100	0.03	0.03	39.2	14.8		8.8	1.4	
Brachyachne obtusiflora (Benth.) C.E. Hubb. CPMR 4153	Abirekyire abɔdweseɛ	L,	Fracture, **delayed child walking**	Paste (topical/enema)	75	0.03	0.02	32.9	10.4		12.8	0.4	
Zea mays L. CPMR 4154	Aburoo	R, Co	Constipation **Anal sore**	Paste (enema) Burn (rectal)	60	0.04	0.03	21.9	19.6		2.9	-15	
Cymbopogon citratus (DC.) Stapf CPMR 4156	Fever grass	L	**Fever,** malaria, typhoid	Decoction (oral)	61.1	0.13	0.15	65.9	47.7	**	34.7	1.3	**
Poaceae													
Bambusa vulgaris Schrad. ex J.C. Wendl. CPMR 4155	Pampulo	L	**Malaria**	Decoction (oral)	100	0.02	0.02	13.1	-21		6.3	8.3	
Eleusine indica (L.) Gaetn CPMR 4157	Nsensan	Wp	**Constipation**	Paste (enema)	100	0.02	0.02	9.7	5.3		17.4	9.8	
Rubiaceae													
Mussaenda erythrophylla Schumach. and Thonn. CPMR 4158	Dameramma	L,	**Severe cough,** ritual	Decoction (oral)	60	0.02	0.02	12.8	-7		21.7	8.8	
Morinda lucida Benth. CPMR 4159	Konkrɔma	L	**Malaria**	Decoction (oral)	100	0.04	0.04	19.1	-19		27.7	10.7	*
Rutaceae													
Citrus aurantiifolia (Christm.) Swingle CPMR 4161	Ankaa twadeɛ	F, R	**Fever,** cough, Typhoid Migraines	Decoction (oral) Squeeze (topical)	55.6	0.06	0.06	60.2	46.7	**	1.7	-30	
Zanthoxylum leprieurii Guill. & Perr CPMR 4162	Oyaa	SB,	**Rheumatism** **Stomach ulcer**	Paste (topical) Decoction (oral)	62.5	0.06	0.06	61.8	53.8	**	13.7	1.7	

Table S1. ***continued***

Family, scientific name, voucher No.	Local names	Part(s) used	Ailment(s) treated	Preparation and mode of administration)	Ethnobotanical indices			Allelopathy (% Growth inhibition)					
					FL	UV	RFC	SW (10 mg/10 mL Agar)			Dish pack (200 mg/DP)		
								R%	H%	Criteria	R%	H%	Criteria
Citrus sinensis (L.) Osbeck CPMR 4163	Ankaa	L R/L, Se	Malaria **Diarrhoea**	Decoction (oral) Raw (oral)	66.7	0.04	0.04	10.4	-10		31.7	23.4	*
Zanthoxylum gilletii (De Wild.) Waterman CPMR 4164	Okuo	SB	Stomach ulcer	Infusion (oral)	100	0.03	0.03	14.4	-1		43.1	34.7	**
Sapindaceae *Paullinia pinnata* L. CPMR 4079	Toa-ntini	R, R/L R/L	Profuse cough Wounds, snake bite **Erectile dysfunction**	Raw (oral) Paste (topical) Alcohol infusion (oral)	63.6	0.08	0.12	66.2	29.6	**	-6	-8	
Solanum torvum Sw. CPMR 4167	Abedru	L/F	**Blood tonic**	Decoction (oral)	53.3	0.11	0.12	48.3	1.6		52.4	35.7	****
Solanum lycopersicum L. CPMR 4168	Ntoose	L L F	Cough, typhoid headache Convulsion **Measles**	Squeeze (topical) Squeeze (topical) Rub (topical)	66.7	0.02	0.02	21.1	14.8		57.7	26.5	****
Sterculiaceae													
Theobroma cacao L. CPMR 4169	Kookoo	R, L,	Cough **Malaria**	Decoction (oral) Decoction (oral)	55	0.14	0.14	43.2	11.7		37.2	11.3	**
Verbanaceae													
Tectona grandis L.f. CPMR 4086	Teak	L, SB	**Malaria**	Decoction (oral)	100	0.19	0.16	52.2	11.1	*	37.7	15.7	**
Lantana camara L. CPMR 4075	Shingles dokono	L,	Body pains	Decoction (oral)	100	0.02	0.02	20.2	-40		21.3	6.3	
Zingiberaceae													
Aframomum melegueta K.Schum. CPMR 4064	Ɛfɔmwisa	Se,	Convulsion	Squeeze (topical)	100	0.04	0.04	38.3	0		35.5	21.2	**
Zingiber officinale Roscoe CPMR 4165	Kakaduro	Rh	**Cough,** diarrhoea wounds	Raw (oral)	54.5	0.08	0.03	49.7	38.7	*	24.7	14.7	

Ethnobotanical indices: UV*; use value, FC*; frequency of citation, FL*; Fidelity Level (The ailments in **bold** were used to calculate the fidelity level). Parts used: R*; Roots, L*; Leaves, Fl*; Flower, SB*; Stem bark, Se*; Seed, Rh*; Rhizome, Wp*; Whole plant, Co*; Cob, Cv*; Cloves, RB*; Root bark, F*; Fruit, CPMR*; Centre for Plant Medicine Research
M-Average, δ- Standard deviation.
Criteria: Stronger inhibitory activity in the radicle:* M + 0.5 (δ), ** M + 1(δ), *** M + 1.5(δ), and **** M + 2.5(δ).
SW; Sandwich Bioassay Method, DP; Dish pack Bioassay Method