

Supplementary Table 1 - Forager bee metadata and respective diversity estimates of the bacterial and fungal microbiomes as well as pollen diet diversities.

colony	sister	disease	forager	month	sample	weight	barcodeF	barcodeR	Bacteria					Fungi					Viridiplantae					
									16S/PO	SOBS	SDI	EVEN	invSIMP	COV	SOBS	SDI	EVEN	invSIMP	COV	SOBS	SDI	EVEN	invSIMP	COV
BP1	A	FALSE	BP1-1	Jan	BP1_1_JAN	0.0694	GGAATGAG	GTGCCTAT	9.3140736	16.535	1.35084	0.481717	2.525224	0.999887	NA	NA	NA	NA	NA	9.711	0.356288	0.158389	1.16977	0.994381
BP1	A	FALSE	BP1-1	Feb	BP1_1_FEV	0.0715	TTACCAAGG	ACAACCGGA	8.423220364	17.529	1.378021	0.481339	2.578494	0.999917	75.559	1.984981	0.459233	3.84126	0.947597	18.295	1.204808	0.415541	2.657883	0.988578
BP1	A	FALSE	BP1-1	Mar	BP1_1_MAR	0.0619	CTGACCTT	ATACCGGA	6.198955112	16.406	1.283239	0.459054	2.980991	0.999848	63.941	1.555015	0.374247	2.527868	0.96175	11.701	0.809681	0.330635	1.540327	0.995019
BP1	A	FALSE	BP1-1	Apr	BP1_1_ABR	0.0695	GGAATGAG	TCATACCG	20.90982789	14.708	0.497567	0.185292	1.285394	0.999826	127.078	3.297686	0.680746	13.576714	0.926454	4.612	0.060235	0.040989	1.018054	0.997415
BP1	A	FALSE	BP1-2	Jan	BP1_2_JAN	0.0744	AATGTCCG	GTGCCTAT	4.172738684	16.171	1.338717	0.48118	2.754743	0.999924	36.881	1.289651	0.358239	2.548227	0.976201	NA	NA	NA	NA	NA
BP1	A	FALSE	BP1-2	Feb	BP1_2_FEV	0.0776	TGAGACAG	ACAACCGGA	3.09844525	18.682	1.532483	0.523591	3.157895	0.999907	99.151	2.511607	0.546604	5.29907	0.940772	9.611	0.398405	0.178565	1.207683	0.994037
BP1	A	FALSE	BP1-2	Mar	BP1_2_MAR	0.0633	ATGTCTGG	ATACCGGA	10.67571109	16.823	1.101504	0.390459	2.276748	0.999885	70.392	1.919888	0.451587	2.997823	0.959503	NA	NA	NA	NA	NA
BP1	A	FALSE	BP1-2	Apr	BP1_2_ABR	0.0611	AATGTCCG	TCATACCG	1.878359206	NA	NA	NA	NA	NA	78.315	2.208808	0.506812	4.902008	0.955524	9.556	0.260242	0.11589	1.099647	0.995879
BP1	A	FALSE	BP1-3	Jan	BP1_3_JAN	0.0573	CGACCATA	GTGCCTAT	3.119262346	NA	NA	NA	NA	NA	64.396	1.752287	0.421015	2.448561	0.961073	20.562	1.48545	0.49206	2.970959	0.988064
BP1	A	FALSE	BP1-3	Feb	BP1_3_FEV	0.0776	CTGACCTT	ACAACCGGA	13.57111633	17.145	1.901946	0.669579	4.88736	0.999911	36.839	0.646534	0.179504	1.25695	0.975434	19.938	0.840908	0.28172	1.564345	0.987537
BP1	A	FALSE	BP1-3	Mar	BP1_3_MAR	0.065	AACACCGT	ATACCGGA	4.970407038	15.302	1.432897	0.525409	2.863757	0.999968	63.763	1.816637	0.437543	2.83226	0.962091	NA	NA	NA	NA	NA
BP1	A	FALSE	BP1-3	Apr	BP1_3_ABR	0.0679	CGACCATA	TCATACCG	3.530618541	14.295	0.83869	0.315678	1.578453	0.999845	119.516	3.528304	0.737779	17.899187	0.933596	11.766	0.749027	0.303998	1.555042	0.995191
BP1	A	FALSE	BP1-4	Jan	BP1_4_JAN	0.0743	ATGCTGAC	GTGCCTAT	7.70484327	16.228	1.907248	0.684797	5.356683	0.999901	66.981	2.212036	0.526534	4.565341	0.963107	12.11	0.514437	0.207197	1.27345	0.993716
BP1	A	FALSE	BP1-4	Feb	BP1_4_FEV	0.0706	ATGCTTGG	ACAACCGGA	10.40800223	16.076	1.590929	0.57315	3.380821	0.999909	26.446	0.804689	0.24658	1.687998	0.982533	NA	NA	NA	NA	NA
BP1	A	FALSE	BP1-4	Mar	BP1_4_MAR	0.0649	AACAAGCC	GATCATCG	8.649989182	14.997	1.751542	0.646842	4.486615	0.999997	53.051	1.349024	0.340038	2.359583	0.967232	NA	NA	NA	NA	NA
BP1	A	FALSE	BP1-4	Apr	BP1_4_ABR	0.0635	ATGCTGAC	TCATACCG	18.17977143	NA	NA	NA	NA	NA	75.131	2.193666	0.508236	5.032202	0.951333	11.084	0.510634	0.214252	1.34615	0.99185
BP1	A	FALSE	BP1-5	Jan	BP1_5_JAN	0.0716	TGAGACAG	GTGCCTAT	4.156026345	17.539	1.720941	0.60111	4.287027	0.999892	70.05	2.289555	0.539107	5.066693	0.957468	13.363	0.719897	0.278443	1.421491	0.994156
BP1	A	FALSE	BP1-5	Feb	BP1_5_FEV	0.0726	AACACCGT	ACAACCGGA	NA	15.841	1.834639	0.664232	4.72184	0.99995	58.371	1.90297	0.468428	3.762387	0.963386	NA	NA	NA	NA	NA
BP1	A	FALSE	BP1-5	Mar	BP1_5_MAR	0.0613	GGAATGAG	GATCATCG	9.020518396	14.861	0.526228	0.195024	1.239111	0.99996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BP1	A	FALSE	BP1-5	Apr	BP1_5_ABR	0.0751	TGAGACAG	TCATACCG	5.392975167	16.742	0.791513	0.280955	1.689555	0.999924	127.665	3.055721	0.630166	6.800446	0.926592	11.577	0.338779	0.138573	1.140828	0.995611
BP4	B	TRUE	BP4-1	Jan	BP4_1_JAN	0.0792	TGAGACAG	CCAGTATG	1.165364975	17.765	2.018978	0.701843	5.843559	0.99993	121.96	3.040674	0.633145	8.614711	0.923786	NA	NA	NA	NA	NA
BP4	B	TRUE	BP4-1	Feb	BP4_1_FEV	0.075	AATTGCCG	ACAACCGGA	7.690708269	17.093	1.713945	0.604232	4.236221	0.999834	72.382	2.92706	0.683935	10.679452	0.968389	NA	NA	NA	NA	NA
BP4	B	TRUE	BP4-1	Mar	BP4_1_MAR	0.075	AATTGCCG	GATCATCG	34.46549074	15.268	0.575956	0.211466	1.314556	0.999856	90.461	2.734242	0.607077	6.074756	0.94571	NA	NA	NA	NA	NA
BP4	B	TRUE	BP4-1	Apr	BP4_1_ABR	0.0644	TGAGAGCT	AGAGAACG	2.840591868	NA	NA	NA	NA	NA	34.891	0.958309	0.270475	2.009505	0.97437	NA	NA	NA	NA	NA
BP4	B	TRUE	BP4-2	Jan	BP4_2_JAN	0.0655	CTGACCTT	CCAGTATG	1.764431254	15.464	1.378518	0.503717	3.303888	0.999906	136.513	3.035812	0.617488	7.358716	0.928485	19.962	1.175725	0.393309	2.35451	0.99068
BP4	B	TRUE	BP4-2	Feb	BP4_2_FEV	0.081	GACCATA	ACAACCGGA	8.156546266	15.556	1.501441	0.547638	2.891967	0.999828	58.266	1.798539	0.442815	2.823836	0.971294	NA	NA	NA	NA	NA
BP4	B	TRUE	BP4-2	Mar	BP4_2_MAR	0.081	CGACCATA	GATCATCG	NA	14.602	1.618703	0.604023	3.282606	0.99989	76.784	2.559047	0.589864	5.888283	0.959651	NA	NA	NA	NA	NA
BP4	B	TRUE	BP4-2	Apr	BP4_2_ABR	0.0663	CTGACCTT	AGAGAACG	NA	15.965	1.533788	0.553658	3.697618	0.999703	101.554	2.964486	0.641806	6.475957	0.953555	9.413	0.547451	0.247616	1.400944	0.994122
BP4	B	TRUE	BP4-3	Jan	BP4_3_JAN	0.0789	ATGCTTGG	CCAGTATG	5.771480731	15.765	0.21943	7.96602	1.07135	0.999853	72.074	2.442869	0.571468	4.651864	0.958226	NA	NA	NA	NA	NA
BP4	B	TRUE	BP4-3	Feb	BP4_3_FEV	0.0657	ATGCTGAC	ACAACCGGA	28.12194071	16.395	0.738687	0.264192	1.355037	0.999926	78.878	1.402034	0.32111	1.720389	0.949073	17.36	0.867776	0.30499	1.605355	0.98955
BP4	B	TRUE	BP4-3	Mar	BP4_3_MAR	0.0657	ATGCTGAC	GATCATCG	3.864773824	16.076	1.576522	0.568048	3.507578	0.999843	85.403	2.765562	0.622145	7.311373	0.956048	NA	NA	NA	NA	NA
BP4	B	TRUE	BP4-3	Apr	BP4_3_ABR	0.0625	ATGCTTGG	AGAGAACG	3.866561736	16.995	1.640105	0.579269	3.608616	0.999995	133.968	3.814395	0.778983	22.030259	0.937254	11.446	0.832823	0.342923	1.961001	0.995976
BP4	B	TRUE	BP4-4	Jan	BP4_4_JAN	0.0736	AACACCGT	CCAGTATG	1.372912244	15.196	0.773204	0.284319	1.497765	0.999906	NA	NA	NA	NA	NA	6.265	0.421064	0.234465	1.245402	0.997484
BP4	B	TRUE	BP4-4	Feb	BP4_4_FEV	0.0746	TGAGACAG	ACAACCGGA	7.238235038	17.432	1.147856	0.401737	2.06678	0.999914	114.688	3.034992	0.640148	9.418534	0.935491	15.631	0.705622	0.25709	1.40004	0.992559
BP4	B	TRUE	BP4-4	Mar	BP4_4_MAR	0.0746	TGAGACAG	GATCATCG	NA	16.869	1.62211	0.574179	3.828393	0.999944	60.521	2.131168	0.519832	4.323778	0.970408	NA	NA	NA	NA	NA
BP4	B	TRUE	BP4-4	Apr	BP4_4_ABR	0.0547	AACACCGT	AGAGAACG	1.722275214	15.525	1.553066	0.566567	3.249202	0.999904	55.336	1.430527	0.356655	1.878911	0.974895	NA	NA	NA	NA	NA
BP4	B	TRUE	BP4-5	Jan	BP4_5_JAN	0.0694	AACAAGCC	GTGCCTAT	12.27643246	15.957	1.485852	0.536709	3.353551	0.999903	94.114	2.048586	0.450997	3.107304	0.935807	12.139	0.750397	0.302861	1.566006	0.993251
BP4	B	TRUE	BP4-5	Feb	BP4_5_FEV	0.079	GAGCTTAC	ACAACCGGA	7.945887972	15.983	1.756089	0.634062	4.722124	0.999891	92.769	2.090147	0.461534	2.65716	0.949511	23.823	1.530618	0.483314	3.089511	0.987477
BP4	B	TRUE	BP4-5	Mar	BP4_5_MAR	0.079	GAGCTTAC	GATCATCG	9.843714024	18.053	1.854626	0.641368	4.776022	0.999783	86.645	2.707337	0.607094	7.335383						

BP5	C	TRUE	BP5-5	Apr	BP5_5_ABR	0.0567	TTACCAGG	AGAGAACG	0.339821677	16.215	0.355814	0.127801	1.129233	0.999815	52.88	1.127	0.284286	1.741693	0.965757	5.499	0.398289	0.242801	1.24971	0.997356
PA1	A	FALSE	PA1-1	Jan	PA1_1_JAN	0.0711	AACAAGCC	CATAGTCG	NA	14.711	1.448328	0.539168	3.016172	0.999881	73.222	2.347251	0.546992	5.537236	0.965926	11.798	0.582107	0.237815	1.328356	0.993274
PA1	A	FALSE	PA1-1	Feb	PA1_1_FEV	0.0633	GAGCTTAC	GTGCCTAT	4.129265545	16.011	1.716051	0.618958	4.203398	0.999946	100.042	2.583875	0.561202	5.266512	0.938744	NA	NA	NA	NA	NA
PA1	A	FALSE	PA1-1	Mar	PA1_1_MAR	0.0626	AACAAGCC	CGGATTGT	9.454920533	15.14	1.254557	0.461986	2.184752	0.999917	38.587	1.395794	0.382851	2.907581	0.975343	16.041	1.016468	0.367338	2.444405	0.993067
PA1	A	FALSE	PA1-1	Apr	PA1_1_ABR	0.0686	GAGCTTAC	TCATACGC	NA	16.694	1.065439	0.378786	2.086577	0.999862	146.35	3.352196	0.672429	12.466172	0.912464	NA	NA	NA	NA	NA
PA1	A	FALSE	PA1-2	Jan	PA1_2_JAN	0.0617	GGAATGAG	CATAGTCG	NA	15.531	0.551395	0.201105	1.284201	0.999906	92.126	2.364747	0.523036	4.925401	0.943195	11.502	0.532349	0.220618	1.30482	0.991929
PA1	A	FALSE	PA1-2	Feb	PA1_2_FEV	0.0718	TTACCAGG	GTGCCTAT	5.745855031	16.757	1.699308	0.602967	4.125812	0.999954	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PA1	A	FALSE	PA1-2	Mar	PA1_2_MAR	0.0608	GGAATGAG	CGGATTGT	5.874618979	16.252	1.628726	0.584331	3.501201	0.999945	38.303	1.411161	0.387977	2.707087	0.97387	NA	NA	NA	NA	NA
PA1	A	FALSE	PA1-2	Apr	PA1_2_ABR	0.0688	TTACCAGG	TCATACGC	5.875774065	16.535	0.807598	0.288093	1.555058	0.99984	107.742	2.892451	0.618201	7.483039	0.935983	NA	NA	NA	NA	NA
PA1	A	FALSE	PA1-3	Jan	PA1_3_JAN	0.0787	AATTGCCG	CATAGTCG	2.945575972	14.943	0.747022	0.276263	1.429895	0.999969	NA	NA	NA	NA	NA	10.663	0.386027	0.164689	1.197002	0.992864
PA1	A	FALSE	PA1-3	Feb	PA1_3_FEV	0.0707	TGAGAGCT	GTGCCTAT	NA	17.877	1.357016	0.470662	2.705873	0.99995	90.199	2.611219	0.580258	6.012729	0.951501	NA	NA	NA	NA	NA
PA1	A	FALSE	PA1-3	Mar	PA1_3_MAR	0.0712	AATTGCCG	CGGATTGT	2.977998133	16.744	1.582338	0.56191	3.228311	0.999875	44.304	1.386485	0.366342	2.441752	0.969836	NA	NA	NA	NA	NA
PA1	A	FALSE	PA1-3	Apr	PA1_3_ABR	0.0652	TGAGAGCT	TCATACGC	13.63372942	18.889	1.107043	0.37676	2.011805	0.999958	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PA1	A	FALSE	PA1-4	Jan	PA1_4_JAN	0.0669	CGACCATTA	CATAGTCG	5.689056518	15.342	1.515175	0.555505	3.484643	0.999825	NA	NA	NA	NA	NA	8.105	0.241765	0.118108	1.104949	0.99438
PA1	A	FALSE	PA1-4	Feb	PA1_4_FEV	0.0755	CTGACCTT	GTGCCTAT	NA	15.505	1.961323	0.715924	5.659091	0.99992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PA1	A	FALSE	PA1-4	Mar	PA1_4_MAR	0.0668	CGACCATTA	CGGATTGT	9.92286351	15.725	1.763989	0.64079	4.637089	0.999862	42.494	1.523777	0.40705	3.171451	0.974052	NA	NA	NA	NA	NA
PA1	A	FALSE	PA1-4	Apr	PA1_4_ABR	0.0558	CTGACCTT	TCATACGC	NA	16.925	0.930835	0.329082	1.616917	0.999972	136.448	3.529786	0.718189	15.565635	0.926497	10.646	0.885227	0.37544	2.043856	0.99484
PA1	A	FALSE	PA1-5	Jan	PA1_5_JAN	0.0716	ATGCTGAC	CATAGTCG	NA	14.033	0.675671	0.255958	1.352616	0.999918	105.384	2.131646	0.457755	3.060983	0.932439	10.697	0.351221	0.149861	1.168987	0.992929
PA1	A	FALSE	PA1-5	Feb	PA1_5_FEV	0.0635	ATGCTTGG	GTGCCTAT	7.467182414	15.206	1.698578	0.624767	4.32349	0.999886	83.478	2.01676	0.455959	3.178504	0.949138	NA	NA	NA	NA	NA
PA1	A	FALSE	PA1-5	Mar	PA1_5_MAR	0.065	ATGCTGAC	CGGATTGT	5.628514658	17.53	1.322584	0.461983	2.158312	0.999898	36.926	1.534161	0.426334	3.369392	0.973672	NA	NA	NA	NA	NA
PA1	A	FALSE	PA1-5	Apr	PA1_5_ABR	0.0652	ATGCTTGG	TCATACGC	3.154232477	16.416	0.715635	0.255862	1.409659	0.999904	125.551	3.080734	0.637591	8.835847	0.922427	NA	NA	NA	NA	NA
PA4	B	TRUE	PA4-1	Jan	PA4_1_JAN	0.0764	TGAGACAG	CATAGTCG	3.428370608	17.342	1.446682	0.507442	3.122141	0.999831	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PA4	B	TRUE	PA4-1	Feb	PA4_1_FEV	0.0726	AACACCGT	GTGCCTAT	5.779258054	14.759	1.339358	0.497842	2.499806	0.999939	60.809	1.867384	0.454954	2.711159	0.965285	NA	NA	NA	NA	NA
PA4	B	TRUE	PA4-1	Mar	PA4_1_MAR	0.0633	TGAGACAG	CGGATTGT	9.329602681	18.257	1.41422	0.487086	2.489005	0.9999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PA4	B	TRUE	PA4-1	Apr	PA4_1_ABR	0.0657	AACACCGT	TCATACGC	10.18731087	17.965	1.751954	0.606563	4.014751	0.99998	102.433	1.575575	0.340383	1.797538	0.932	2.138	0.013939	0.237517	1.003842	0.998952
PA4	B	TRUE	PA4-2	Jan	PA4_2_JAN	0.0736	GAGCTTAC	CATAGTCG	NA	17.326	1.527599	0.53586	3.235005	0.999858	78.047	2.343695	0.538148	4.142482	0.953667	NA	NA	NA	NA	NA
PA4	B	TRUE	PA4-2	Feb	PA4_2_FEV	0.0744	AACAAGCC	GTGCAACT	6.368534508	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PA4	B	TRUE	PA4-2	Mar	PA4_2_MAR	0.0622	GAGCTTAC	CGGATTGT	5.916492093	17.674	1.898412	0.661123	4.251471	0.999959	83.371	2.337686	0.528796	5.565873	0.949347	14.672	0.466701	0.174594	1.227497	0.990097
PA4	B	TRUE	PA4-2	Apr	PA4_2_ABR	0.0606	AACAAGCC	ATACCGGA	18.2322545	17.637	1.760533	0.613984	4.798819	0.999794	44.515	0.670628	0.176801	1.252365	0.970135	8.856	0.420045	0.194922	1.22528	0.995027
PA4	B	TRUE	PA4-3	Jan	PA4_3_JAN	0.0802	TTACCAGG	CATAGTCG	0.697583633	17.053	1.460124	0.515135	3.031184	0.999825	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PA4	B	TRUE	PA4-3	Feb	PA4_3_FEV	0.0715	GGAATGAG	GTGCAACT	3.308409632	NA	NA	NA	NA	NA	88.85	2.075301	0.462698	3.636905	0.944564	16.169	0.329671	0.118719	1.113389	0.990632
PA4	B	TRUE	PA4-3	Mar	PA4_3_MAR	0.0615	TTACCAGG	CGGATTGT	18.00593835	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PA4	B	TRUE	PA4-3	Apr	PA4_3_ABR	0.0591	GGAATGAG	ATACCGGA	3.654149185	14.841	1.269691	0.471284	2.367493	0.999845	71.849	1.700101	0.398005	2.41397	0.953423	6.11	0.381796	0.216438	1.201732	0.997085
PA4	B	TRUE	PA4-4	Jan	PA4_4_JAN	0.0841	TGAGAGCT	CATAGTCG	2.463958776	18.432	1.539666	0.528541	3.094788	0.999881	77.387	2.261873	0.520325	3.467683	0.958549	19.298	1.018732	0.344782	2.139225	0.987891
PA4	B	TRUE	PA4-4	Feb	PA4_4_FEV	0.0692	AATTGCCG	GTGCAACT	3.230224441	NA	NA	NA	NA	NA	82.069	2.37879	0.539993	5.116867	0.95064	12.93	0.589707	0.232136	1.42511	0.991382
PA4	B	TRUE	PA4-4	Mar	PA4_4_MAR	0.0697	TGAGAGCT	CGGATTGT	NA	17.997	2.090365	0.72326	4.896813	0.999998	41.467	1.478336	0.397837	2.970367	0.969338	NA	NA	NA	NA	NA
PA4	B	TRUE	PA4-4	Apr	PA4_4_ABR	0.0666	AATTGCCG	ATACCGGA	10.55609968	18.661	1.159259	0.396229	2.071081	0.999907	79.713	2.257335	0.515843	4.471022	0.955666	6.939	0.109609	0.056901	1.033724	0.99633
PA4	B	TRUE	PA4-5	Jan	PA4_5_JAN	0.0833	CTGACCTT	CATAGTCG	1.191936805	16.326	1.587924	0.569051	2.989717	0.999876	NA	NA	NA	NA	NA	15.701	0.719411	0.262464	1.525682	0.99102
PA4	B	TRUE	PA4-5	Feb	PA4_5_FEV	0.0625	CGACCATTA	GTGCAACT	6.436293967	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PA4	B	TRUE	PA4-5	Mar	PA4_5_MAR	0.0753	CTGACCTT	CGGATTGT	46.15441647	13.762	0.376532	0.143988	1.164364	0.99975	132.953	3.567997	0.729697	14.79224	0.931699	8.757	0.152078	0.070442	1.048628	0.995055
PA4	B	TRUE	PA4-5	Apr	PA4_5_ABR	0.0717	CGACCATTA	ATACCGGA	15.0652717	16.831	1.673739	0.593312	3.475524	0.999818	71.813	1.352566	0.31663	1.697388	0.95511	2.47	0.016889	0.179565	1.004596	0.998531
PA5	C	TRUE	PA5-1	Jan	PA5_1_JAN	0.0657	ATGCTTGG	CATAGTCG	1.455755454	16.417	1.001173	0.357875	1.649203	0.999952	NA	NA	NA	NA	NA	11.615	0.269361	0.110591	1.10478	0.991369
PA5	C	TRUE	PA5-1	Feb	PA5_1_FEV	0.0674	ATGCTGAC	GTGCAACT	3.452961039	NA	NA	NA	NA	NA	71.879	2.192458	0.513195	5.199212	0.954505	20.102	0.536178	0.178924	1.2146	0.990579
PA5	C	TRUE	PA5-1	Mar	PA5_1_MAR	0.0684	ATGCTTGG	CGGATTGT	2.030932865	18.02	1.816384	0.62846	4.158641	0.999893	44.488	1.142962	0.301596	2.008942	0.970238	NA	NA	NA	NA	NA
PA5	C	TRUE	PA5-1	Apr	PA5_1_ABR	0.0577	ATGCTGAC	ATACCGGA	9.857681606	17.455	0.853532	0.298576	1.564712	0.999918	111.477	2.813093	0.596988	6.827012	0.932873	NA	NA	NA	NA	NA
PA5	C	TRUE	PA5-2	Jan	PA5_2_JAN	0.0672	AACACCGT	CATAGTCG	NA	16.579	1.934117	0.68896	4.981944	0.999922	60.856	1.107971	0.269781	1.676903	0.954305	14.929	0.360505	0.13387	1.146687	0.98963
PA5	C	TRUE	PA5-2	Feb	PA5_2_FEV	0.0874	TGAGACAG	GTGCAACT	6.802957328	NA	NA	NA	NA	NA	51.228	1.602011	0.407365	2.405168	0.971441	33.384	1.205216	0.343666	2.180472	0.978098
PA5	C	TRUE	PA5-2	Mar	PA5_2_MAR	0.0628	AACACCGT	CGGATTGT	3.603771666	17.871	1.785709	0.619425	4.733013	0.999956	24.328	0.494115	0.155244	1.192488	0.985547	NA	NA	NA	NA	NA
PA5	C	TRUE	PA5-2	Apr	PA5_2_ABR	0.0688	TGAGACAG	ATACCGGA	14.99238882	18.319	1.093257	0.376099	1.944992	0.999895	106.356	3.078346	0.659832	11.479096	0.943744	8.189	0.333311	0.160172	1.18133	0.994162
PA5	C	TRUE	PA5-3	Jan	PA5_3_JAN	0.0655	AACAAGCC	CCAGTATG	0.230253933	16.504	1.985405	0.7084												