

## Supplementary materials

**Table S1.** Actual and predicted Andrographolide content of training dataset.

Acc. No.	Target	Output	Absolute Error	Square of Absolute Error	Absolute Percentage Error
AP-1	1.335	1.392	0.058	0.003	4.331
AP-10	1.303	1.351	0.048	0.002	3.705
AP-11	1.860	1.925	0.065	0.004	3.517
AP-13	1.926	1.845	0.082	0.007	4.239
AP-14	2.865	2.758	0.107	0.011	3.736
AP-20	1.466	1.515	0.049	0.002	3.354
AP-23	0.975	0.896	0.078	0.006	8.050
AP-24	2.812	3.026	0.214	0.046	7.624
AP-26	4.412	4.264	0.148	0.022	3.364
AP-34	2.719	3.065	0.347	0.120	12.749
AP-35	0.646	0.715	0.069	0.005	10.738
AP-37	1.906	1.892	0.014	0.000	0.726
AP-38	3.555	3.915	0.360	0.129	10.118
AP-39	3.545	3.814	0.270	0.073	7.607
AP-21	0.778	0.825	0.047	0.002	6.054
AP-44	1.467	1.622	0.155	0.024	10.543
AP-46	2.617	2.755	0.139	0.019	5.298
AP-12	2.569	2.921	0.352	0.124	13.712
AP-55	1.236	1.400	0.164	0.027	13.272
AP-56	2.464	2.571	0.106	0.011	4.321
AP-60	2.758	2.569	0.189	0.036	6.860
AP-2	2.455	2.817	0.362	0.131	14.749
AP-3	1.028	1.162	0.134	0.018	13.015
AP-4	1.694	1.680	0.014	0.000	0.844
AP-56	1.952	1.846	0.106	0.011	5.438
AP-73	2.928	2.937	0.009	0.000	0.292
AP-74	1.011	1.052	0.041	0.002	4.038
AP-61	1.543	1.850	0.307	0.094	19.876
AP-62	1.386	1.366	0.020	0.000	1.464
AP-63	1.778	1.547	0.231	0.053	12.986
AP-64	2.501	2.301	0.200	0.040	7.994
AP-65	1.281	1.308	0.027	0.001	2.135
AP-66	0.862	0.712	0.150	0.023	17.436
AP-72	2.945	2.968	0.023	0.001	0.778
AP-76	1.049	1.127	0.078	0.006	7.443
AP-77	1.645	1.770	0.125	0.016	7.630

AP-78	1.632	1.456	0.176	0.031	10.796
AP-79	1.218	1.372	0.154	0.024	12.674
AP-48	1.962	1.931	0.032	0.001	1.621
AP-18	1.502	1.353	0.149	0.022	9.911
AP-19	1.739	1.557	0.182	0.033	10.457
AP-82	0.849	0.832	0.018	0.000	2.084
AP-40	0.730	0.812	0.082	0.007	11.239
AP-83	0.756	0.833	0.077	0.006	10.230
AP-86	2.251	2.358	0.106	0.011	4.718
AP-87	1.173	1.076	0.097	0.009	8.256
AP-89	1.682	1.554	0.128	0.016	7.607
AP-91	1.145	1.297	0.152	0.023	13.308
AP-27	1.304	1.224	0.081	0.006	6.177
AP-28	0.769	0.804	0.034	0.001	4.453
AP-29	3.759	3.349	0.409	0.168	10.893
AP-30	5.230	5.157	0.073	0.005	1.389
AP-31	5.394	4.884	0.510	0.260	9.456
AP-33	3.743	3.391	0.352	0.124	9.394
AP-6	3.099	3.272	0.173	0.030	5.572
AP-8	2.832	2.466	0.366	0.134	12.922
AP-51	2.678	2.328	0.350	0.122	13.065
AP-52	3.760	3.460	0.300	0.090	7.983
AP-53	3.680	3.176	0.504	0.254	13.702
AP-67	3.523	3.461	0.062	0.004	1.763
AP-68	3.544	3.210	0.334	0.112	9.437
AP-69	3.515	3.346	0.169	0.029	4.819
AP-42	3.918	3.781	0.136	0.019	3.480
AP-43	2.943	2.568	0.375	0.141	12.748
AP-85	2.030	2.292	0.262	0.069	12.902
AP-92	1.667	1.721	0.054	0.003	3.249
AP-123	2.248	2.523	0.275	0.076	12.242
AP-93	1.770	1.634	0.136	0.019	7.696
AP-127	0.772	0.823	0.050	0.003	6.523
AP-130	0.280	0.302	0.022	0.000	7.929
AP-131	0.648	0.587	0.062	0.004	9.534
AP-135	0.802	0.724	0.078	0.006	9.758
AP-136	0.988	0.879	0.108	0.012	10.977
AP-137	0.319	0.340	0.021	0.000	6.500
AP-94	1.350	1.370	0.020	0.000	1.496
AP-143	0.358	0.382	0.024	0.001	6.752

AP-116	0.411	0.458	0.047	0.002	11.317
AP-140	0.463	0.506	0.043	0.002	9.204
AP-124	1.231	1.099	0.132	0.017	10.688
AP-132	0.802	0.837	0.035	0.001	4.340
AP-144	0.910	0.812	0.097	0.009	10.706
AP-96	1.486	1.499	0.014	0.000	0.925
AP-117	0.774	0.689	0.084	0.007	10.900
AP-145	2.028	1.968	0.060	0.004	2.950
AP-147	1.352	1.185	0.167	0.028	12.325
AP-149	0.338	0.357	0.019	0.000	5.509
AP-118	0.669	0.616	0.053	0.003	7.966
AP-98	0.355	0.371	0.016	0.000	4.479
AP-146	2.483	2.296	0.187	0.035	7.538
AP-99	2.693	2.503	0.190	0.036	7.073
AP-100	0.284	0.314	0.030	0.001	10.621
AP-150	1.992	2.045	0.053	0.003	2.682
AP-102	1.990	2.056	0.067	0.004	3.348
AP-104	1.499	1.351	0.148	0.022	9.859
AP-105	1.555	1.429	0.126	0.016	8.122
AP-106	1.882	1.694	0.188	0.035	9.995
AP-119	1.906	1.695	0.211	0.045	11.070
AP-142	2.013	1.898	0.115	0.013	5.696
AP-109	1.998	1.896	0.102	0.010	5.098
AP-121	1.923	1.789	0.134	0.018	6.971
AP-110	1.580	1.449	0.131	0.017	8.307
AP-111	1.661	1.559	0.102	0.010	6.159
AP-148	2.603	2.891	0.288	0.083	11.067
AP-122	1.952	2.082	0.130	0.017	6.664
AP-138	0.475	0.510	0.035	0.001	7.344
AP-133	3.582	3.437	0.146	0.021	4.062
Mean				0.0322	7.6295
RMSE				0.1793	

**Table S2.** Actual and predicted Andrographolide content of testing dataset.

Acc. No.	Target	Output	Absolute Error	Square of Absolute Error	Absolute Percentage Error
AP-15	1.094	1.149	0.055	0.003	5.032
AP-25	2.585	2.981	0.396	0.157	15.306
AP-45	3.643	3.964	0.321	0.103	8.819
AP-59	2.805	2.521	0.284	0.081	10.138

AP-71	4.664	4.622	0.042	0.002	0.903
AP-75	3.047	2.671	0.376	0.141	12.344
AP-17	4.707	4.293	0.414	0.171	8.797
AP-80	0.854	0.874	0.020	0.000	2.303
AP-41	4.222	4.170	0.052	0.003	1.234
AP-88	1.733	1.533	0.200	0.040	11.553
AP-7	4.927	4.349	0.577	0.333	11.718
AP-54	3.022	3.359	0.337	0.113	11.145
AP-84	2.964	2.922	0.042	0.002	1.420
AP-113	1.024	1.059	0.035	0.001	3.427
AP-115	0.600	0.562	0.038	0.001	6.335
AP-95	1.453	1.226	0.227	0.051	15.606
AP-125	0.799	0.748	0.052	0.003	6.470
AP-141	1.909	1.722	0.187	0.035	9.774
AP-129	2.250	2.506	0.257	0.066	11.406
AP-126	2.627	2.472	0.155	0.024	5.894
AP-112	1.932	2.192	0.260	0.068	13.458
AP-134	1.960	2.023	0.063	0.004	3.235
Average				0.064	7.907
RMSE				0.253	

**Table S3.** Actual and predicted Andrographolide content of validation dataset.

Acc. No.	Target	Output	Absolute Error	Square of Absolute Error	Absolute Percentage Error
AP-94	0.676	0.662	0.014	0.000	2.063
AP-22	1.822	1.603	0.219	0.048	12.009
AP-47	1.661	1.815	0.154	0.024	9.285
AP-57	2.460	2.743	0.284	0.080	11.527
AP-58	2.824	2.573	0.251	0.063	8.877
AP-16	2.990	2.731	0.260	0.067	8.679
AP-49	1.042	1.191	0.149	0.022	14.345
AP-90	1.386	1.552	0.166	0.028	12.009
AP-32	3.972	3.510	0.462	0.213	11.624
AP-5	4.288	4.141	0.148	0.022	3.442
AP-9	5.446	4.891	0.555	0.308	10.195
AP-81	4.368	4.034	0.334	0.111	7.640
AP-50	2.744	2.589	0.156	0.024	5.667
AP-128	0.650	0.642	0.008	0.000	1.254
AP-114	0.573	0.613	0.040	0.002	7.039
AP-139	0.338	0.351	0.013	0.000	3.947

AP-97	0.383	0.351	0.033	0.001	8.527
AP-101	0.350	0.364	0.014	0.000	4.035
AP-103	1.444	1.285	0.159	0.025	11.010
AP-107	1.536	1.524	0.012	0.000	0.761
AP-108	0.661	0.558	0.103	0.011	15.633
AP-120	1.857	1.804	0.053	0.003	2.832
Mean				0.048	7.836
RMSE				0.219	

**Table S4.** Geographic locations and habitats characteristics of *Andrographis paniculata* populations.

Serial No.	Acc. No	Place	State & District	Latitude and Longitude	Year of sample collection	Voucher No.
1	AP-1	Ekamra garden	Odisha, Khordha	20° 16' 19.20" N, 85° 49' 58.80" E	2019	1098/CBT
2	AP-2	Barunei road	Odisha, Khordha	20° 10' 15.60" N, 85° 38' 60.00" E	2019	1100/CBT
3	AP-3	Barunei pitha	Odisha, Khordha	20° 09' 39.60" N, 85° 38' 52.80" E	2019	1101/CBT
4	AP-4	Baibhava vihar	Odisha, Khordha	20° 10' 55.20" N, 85° 39' 18.00" E	2019	1102/CBT
5	AP-5	Mukudaprasad	Odisha, Khordha	20° 10' 12.00" N, 85° 38' 20.40" E	2019	1103/CBT
6	AP-6	Barunei pitha	Odisha, Khordha	20° 09' 39.60" N, 85° 38' 52.80" E	2019	1104/CBT
7	AP-7	Barunei pitha	Odisha, Khordha	20° 09' 32.40" N, 85° 38' 42.00" E	2019	1105/CBT
8	AP-8	Gada Khordha	Odisha, Khordha	20° 09' 46.80" N, 85° 37' 48.00" E	2019	1106/CBT
9	AP-9	Gada Khordha	Odisha, Khordha	20° 09' 36.00" N, 85° 37' 44.40" E	2019	1108/CBT
10	AP-10	Baliapala	Odisha, Balasore	21° 39' 14.40" N, 87° 16' 58.80" E	2019	1126/CBT
11	AP-11	Nilagiri	Odisha, Balasore	21° 27' 39.60" N, 86° 45' 21.60" E	2019	1127/CBT
12	AP-12	Jamalpur	Odisha, Balasore	21° 29' 33.50" N, 86° 56' 00.50" E	2019	1128/CBT
13	AP-13	Ambapua	Odisha, Ganjam	19° 19' 01.90" N, 84° 50' 50.30" E	2019	1129/CBT
14	AP-14	Kholikot college	Odisha, Ganjam	19° 18' 28.00" N, 84° 47' 39.40" E	2019	1130/CBT
15	AP-15	Berhampur University	Odisha, Ganjam	19° 17' 42.00" N, 84° 52' 48.00" E	2019	1131/CBT
16	AP-16	Nirmalajhara	Odisha, Ganjam	19° 35' 45.60" N, 85° 03' 39.60" E	2019	1133/CBT
17	AP-17	Bharasa	Odisha, Ganjam	19° 36' 25.200" N, 85° 3' 21.60" E	2019	1134/CBT
18	AP-18	Tamana	Odisha, Ganjam	19° 13' 58.80" N, 84° 40' 58.80" E	2019	1135/CBT
19	AP-19	Taptapani	Odisha, Ganjam	19° 28' 51.60" N, 84° 25' 26.40" E	2019	1136/CBT
20	AP-20	Naraja	Odisha, cuttack	20° 28' 12.00" N, 85° 46' 40.80" E	2019	1113/CBT
21	AP-21	Radhakishorepur	Odisha, Cuttack	20° 33' 25.20" N, 85° 45' 25.20" E	2019	1114/CBT
22	AP-22	Chodwar	Odisha, Cuttack	20° 31' 26.40" N, 85° 54' 10.80" E	2019	1115/CBT
23	AP-23	Paralakhemundi	Odisha, Gajapati	18° 46' 40.80" N, 84° 06' 32.40" E	2019	1137/CBT
24	AP-24	Madaba	Odisha, Gajapati	18° 57' 58.10" N, 84° 20' 57.80" E	2019	1138/CBT
25	AP-25	Budisila	Odisha, Gajapati	19° 07' 55.20" N, 84° 07' 51.60" E	2019	1139/CBT
26	AP-26	Rayagada	Odisha, Gajapati	18° 59' 16.80" N, 84° 08' 02.40" E	2019	1140/CBT
27	AP-27	Barghala	Odisha, Gajapati	18° 52' 40.80" N, 84° 11' 45.60" E	2019	1141/CBT
28	AP-28	Hatapada	Odisha, Gajapati	18° 57' 46.80" N, 84° 09' 50.40" E	2019	1142/CBT

29	AP-29	Mahendragiri	Odisha, Gajapati	18° 59' 49.20" N, 84° 07' 40.80" E	2019	1143/CBT
30	AP-30	Budisila	Odisha, Gajapati	19° 07' 51.60" N, 84° 07' 55.20" E	2019	1144/CBT
31	AP-31	Budisila	Odisha, Gajapati	19° 07' 48.00" N, 84° 07' 55.20" E	2019	1145/CBT
32	AP-32	Karadasigh	Odisha, Gajapati	18° 55' 26.40" N, 84° 12' 25.20" E	2019	1146/CBT
33	AP-33	Alluri Nagar	Odisha, Gajapati	18° 48' 46.80" N, 84° 08' 38.40" E	2019	1147/CBT
34	AP-34	Nimapada	Odisha, Puri	20° 03' 21.60" N, 86° 0.0' 14.40" E	2019	1109/CBT
35	AP-35	Balisahi	Odisha, Puri	19° 57' 57.60" N, 86° 01' 33.60" E	2019	1110/CBT
36	AP-36	Khalakata patna	Odisha, Puri	19° 53' 14.60" N, 86° 05' 40.50" E	2019	1111/CBT
37	AP-37	Banpur	Odisha, Puri	20° 05' 52.80" N, 85° 53' 38.40" E	2019	1112/CBT
38	AP-38	Jharabandha	Odisha, Dhenkanala	20° 32' 24.00" N, 85° 34' 51.60" E	2019	1117/CBT
39	AP-39	Deagaon	Odisha, Dhenkanala	20° 41' 49.90" N, 85° 44' 50.60" E	2019	1119/CBT
40	AP-40	Gandanali	Odisha, Dhenkanala	20° 35' 52.80" N, 85° 21' 03.60" E	2019	1120/CBT
41	AP-41	Baunsapokhari	Odisha, Dhenkanala	20° 39' 50.40" N, 85° 10' 44.40" E	2019	1121/CBT
42	AP-42	Mahulakhali	Odisha, Dhankanal	20° 41' 13.20" N, 85° 44' 24.00" E	2019	1122/CBT
43	AP-43	Kapilash	Odisha, Dhankanal	20° 41' 13.20" N, 85° 45' 25.20" E	2019	1123/CBT
44	AP-44	Chitrada	Odisha, Mayurbhanj	21° 50' 58.50" N, 86° 56' 41.60" E	2019	1155/CBT
45	AP-45	Betnoti	Odisha, Mayurbhanj	21° 44' 27.60" N, 86° 50' 42.00" E	2019	1156/CBT
46	AP-46	Baisingha	Odisha, Mayurbhanj	21° 38' 47.40" N, 86° 54' 53.28" E	2019	1157/CBT
47	AP-47	Betnosia	Odisha, Mayurbhanj	21° 44' 23.60" N, 86° 50' 35.50" E	2019	1158/CBT
48	AP-48	Shankarpur	Odisha, Mayurbhanj	22° 00' 57.60" N, 85° 42' 32.40" E	2019	1159/CBT
49	AP-49	Phulkong forest	Odisha, Mayurbhanj	22° 01' 12.00" N, 85° 45' 39.60" E	2019	1160/CBT
50	AP-50	Similipala road	Odisha, Mayurbhanj	21° 53' 16.80" N, 86° 11' 38.40" E	2019	1149/CBT
51	AP-51	Jashipur	Odisha, Mayurbhanj	21° 53' 27.60" N, 86° 11' 49.20" E	2019	1150/CBT
52	AP-52	Similipala road	Odisha, Mayurbhanj	21° 54' 07.20" N, 86° 11' 24.00" E	2019	1151/CBT
53	AP-53	Baman Ghati	Odisha, Mayurbhanj	22° 10' 08.40" N, 86° 29' 38.40" E	2019	1153/CBT
54	AP-54	Baman Ghati	Odisha, Mayurbhanj	22° 09' 54.00" N, 86° 31' 15.60" E	2019	1154/CBT
55	AP-55	Khandapada	Odisha, Nayagargh	20° 12' 36.00" N, 85° 08' 24.00" E	2019	1164/CBT
56	AP-56	Sampada	Odisha, Nayagargh	20° 12' 36.00" N, 84° 58' 26.40" E	2019	1165/CBT
57	AP-57	Gania	Odisha, Nayagargh	20° 12' 36.00" N, 84° 58' 26.40" E	2019	1166/CBT
58	AP-58	Pratap prasad	Odisha, Nayagargh	20° 07' 51.60" N, 85° 08' 31.20" E	2019	1167/CBT
59	AP-59	Palli sasan	Odisha, Nayagargh	20° 04' 58.80" N, 85° 06' 18.00" E	2019	1168/CBT
60	AP-60	Ratanpur	Odisha, Nayagargh	20° 07' 55.20" N, 85° 06' 36.00" E	2019	1169/CBT
61	AP-61	Kakalama	Odisha, Nayagargh	20° 04' 30.00" N, 85° 15' 18.00" E	2019	1170/CBT
62	AP-62	Itamati	Odisha, Nayagargh	20° 0.0' 10.80" N, 85° 22' 19.20" E	2019	1171/CBT
63	AP-63	Odagaon	Odisha, Nayagargh	20° .00' 14.40" N, 84° 59' 34.80" E	2019	1172/CBT
64	AP-64	Krushnaprasad)	Odisha, Nayagargh	20° 08' 19.64" N, 85° 08' 41.28" E	2019	1173/CBT
65	AP-65	Sarankula	Odisha, Nayagargh	20° 02' 13.20" N, 85° 04' 40.80" E	2019	1174/CBT
66	AP-66	Banigochha	Odisha, Nayagargh	20° 24' 01.80" N, 84° 35' 11.04" E	2019	1175/CBT
67	AP-67	Godi Alli	Odisha, Nayagargh	20° 07' 58.80" N, 85° 08' 24.00" E	2019	1176/CBT
68	AP-68	Godi Alli	Odisha, Nayagargh	20° 06' 43.20" N, 85° 05' 13.20" E	2019	1177/CBT
69	AP-69	Baigunia	Odisha, Nayagargh	20° 15' 28.80" N, 85° 12' 39.60" E	2019	1178/CBT
70	AP-70	Korada ghati	Odisha,Kandhamala	19° 57' 50.40" N, 84° 19' 37.20" E	2019	1183/CBT
71	AP-71	Raikia	Odisha,Kandhamala	19° 58' 51.60" N, 84° 14' 24.00" E	2019	1184/CBT
72	AP-72	Phiringia	Odisha, Kandhamala	20° 10' 55.20" N, 84° 04' 44.40" E	2019	1188/CBT
73	AP-73	Nuabarada	Odisha, Jajpur	20° 47' 38.40" N, 86° 02' 60.00" E	2019	1193/CBT

74	AP-74	Panikoili	Odisha, Jajpur	20° 54' 43.20" N, 86° 13' 40.80" E	2019	1194/CBT
75	AP-75	Udayagiri	Odisha, Jajpur	20° 37' 37.20" N, 86° 14' 42.00" E	2019	1195/CBT
76	AP-76	Ranipathara	Odisha, Baudh (Phulbani)	20° 29' 20.40" N, 84° 15' 28.80" E	2019	1190/CBT
77	AP-77	Phurlijharan	Odisha, Kalahandi	19° 46' 54.22" N, 83° 06' 49.90" E	2019	1191/CBT
78	AP-78	Jagasahi	Odisha, Kalahandi	19°45' 00.70" N, 83° 11' 45.12" E	2019	1192/CBT
79	AP-79	Magurgadia	Odisha, keonjhar	21° 38' 45.60" N, 85° 36' 25.20" E	2019	1196/CBT
80	AP-80	Judia ghati	Odisha, keonjhar	21° 37' 44.40" N, 85° 34' 12.00" E	2019	1197/CBT
81	AP-81	Hadagargh	Odisha, Keonjhar	21° 17' 21.12" N, 86° 19' 11.64" E	2019	1198/CBT
82	AP-82	Tirtol	Odisha, Jagatsighpur	20° 20' 21.08" N, 86° 05' 52.04" E	2019	1124/CBT
83	AP-83	Chandanpur	Odisha, Angul	20° 46' 04.80" N, 84° 58' 48.00" E	2019	1179/CBT
84	AP-84	Bedashasana	Odisha, Angul	20° 42' 30.16" N, 85° 07' 58.80" E	2019	1180/CBT
85	AP-85	Tarava	Odisha, Angul	20° 42' 05.11" N, 84° 51' 13.89" E	2019	1181/CBT
86	AP-86	Laxmi Dungri	Odisha, Sambalpur	21° 29' 56.40" N, 83° 55' 30.00" E	2019	1161/CBT
87	AP-87	Ashok Niwas	Odisha, Sambalpur	21° 30' 43.20" N, 83° 51' 10.80" E	2019	1162/CBT
88	AP-88	Sanapalli	Odisha, Sambalpur	21° 23' 13.20" N, 83° 56' 20.40" E	2019	1163/CBT
89	AP-89	Therubali	Odisha, Rayagada	19° 17' 56.40" N, 83° 26' 27.60" E	2019	1199/CBT
90	AP-90	Kalyansighpur	Odisha, Rayagada	19° 10' 48.00" N, 83° 25' 01.20" E	2019	1200/CBT
91	AP-91	Padampur	Odisha, Rayagada	19° 14' 35.73" N, 83° 49' 33.96" E	2019	1201/CBT
92	AP-92	Behela	West Bengal, South 24 Parganas	22° 29' 52.08" N, 88° 18' 36.00" E	2019	1202/CBT
93	AP-93	Kakadwip	West Bengal, South 24 Parganas	21° 52' 33.60" N, 88° 11' 07.08" E	2019	1203/CBT
94	AP-94	Diamond harbour	West Bengal, South 24 Parganas	22° 11' 52.80" N, 88° 12' 07.20" E	2019	1204/CBT
95	AP-95	Kulpi	West Bengal, South 24 Parganas	22° 04' 51.60" N, 88° 14' 38.40" E	2019	1205/CBT
96	AP-96	Kakadwip	West Bengal, South 24 Parganas	21° 52' 33.60"N, 88° 11' 07.08" E	2019	1206/CBT
97	AP-97	Kakadwip	West Bengal, South 24 Parganas	21° 52' 33.60"N, 88° 11' 07.08" E	2019	1207/CBT
98	AP-98	Laxmikantapur	West Bengal, South 24 Parganas	22° 06' 35.64" N, 88° 19' 15.24" E	2019	1208/CBT
99	AP-99	Amtala	West Bengal, South 24 Parganas	22° 22' 00.84" N, 88° 16' 39.72" E	2019	1209/CBT
100	AP-100	Patharapratima	West Bengal, South 24 Parganas	21° 47' 31.20" N, 88° 21' 18.00" E	2019	1210/CBT
101	AP-101	Baharu	West Bengal, South 24 Parganas	22° 12' 14.40" N, 88° 25' 41.88" E	2019	1211/CBT
102	AP-102	Raidighi	West Bengal, South 24 Parganas	22° 00' 04.32" N, 88° 26' 07.44" E	2019	1212/CBT
103	AP-103	Thakurpukur	West Bengal, South 24 Parganas	22° 27' 39.60" N, 88° 18' 21.60" E	2019	1213/CBT
104	AP-104	Garia	West Bengal, South 24 Parganas	22° 27' 57.60" N, 88° 23' 34.08" E	2019	1214/CBT
105	AP-105	Narayanpur	West Bengal, South 24 Parganas	21° 46' 15.00" N, 88°15' 04.00" E	2019	1215/CBT
106	AP-106	Nischintapur	West Bengal, South 24 Parganas	21° 59' 24.00" N, 88° 12' 49.32" E	2019	1216/CBT
107	AP-107	Dholahat	West Bengal, South 24 Parganas	22° 01' 22.44" N, 88° 18' 01.80" E	2019	1217/CBT
108	AP-108	Kalyanpur	West Bengal, South 24 Parganas	22° 21' 02.88" N, 88° 25' 01.56" E	2019	1218/CBT
109	AP-109	Kashinagar	West Bengal, South 24 Parganas	22° 05' 21.48" N, 88° 25' 28.56" E	2019	1219/CBT
110	AP-110	Karanjali	West Bengal, South 24 Parganas	22° 01' 44.40" N, 88° 14' 52.80" E	2019	1220/CBT
111	AP-111	Jaynagar	West Bengal, South 24 Parganas	22° 10' 26.40" N, 88° 25' 22.80" E	2019	1221/CBT
112	AP-112	Baruipur	West Bengal, South 24 Parganas	22° 21' 32.40" N, 88° 25' 55.20" E	2019	1222/CBT
113	AP-113	Barrackpore	West Bengal, North 24 Parganas	22° 46' 02.64" N, 88° 23' 17.88" E	2019	1223/CBT
114	AP-114	Titagargh	West Bengal, North 24 Parganas	22° 44' 17.88" N, 88° 22' 25.32" E	2019	1224/CBT
115	AP-115	Barasat	West Bengal, North 24 Parganas	22° 43' 29.28" N, 88° 28' 44.04" E	2019	1226/CBT
116	AP-116	Salt Lake	West Bengal, North 24 Parganas	22° 34' 46.92" N, 88° 24' 51.48" E	2019	1227/CBT
117	AP-117	Bandipur	West Bengal, North 24 Parganas	22° 43' 47.64" N, 88° 23' 42.72" E	2019	1228/CBT
118	AP-118	Rahara	West Bengal, North 24 Parganas	22° 43' 26.40" N, 88° 23' 12.48" E	2019	1229/CBT

119	AP-119	Habra	West Bengal, North 24 Parganas	22° 51' 19.80" N, 88° 44' 38.40" E	2019	1230/CBT
120	AP-120	Sworupnagar	West Bengal, North 24 Parganas	22° 48' 39.60" N, 88° 51' 21.60" E	2019	1231/CBT
121	AP-121	Madhyamgram	West Bengal, North 24 Parganas	22° 41' 32.64" N, 88° 27' 55.08" E	2019	1232/CBT
122	AP-122	Naihati	West Bengal, North 24 Parganas	22° 53' 20.40" N, 88° 25' 19.20" E	2019	1233/CBT
123	AP-123	Kulera,	West Bengal, Birbhum	23° 54' 28.80" N, 87° 32' 52.80" E	2019	1250/CBT
124	AP-124	RK mission	West Bengal, Birbham	23° 50' 24.72" N, 23° 50' 24.72" E	2019	1251/CBT
125	AP-125	Suri	West Bengal, Birbhum	23° 54' 14.40" N, 87° 31' 26.40" E	2019	1252/CBT
126	AP-126	Shantiniketan (Bolpur)	West Bengal, Birbhum	23° 40' 37.20" N, 87° 41' 06.00" E	2019	1253/CBT
127	AP-127	Kaliagangh	West Bengal, Uttar Dinajpur	25° 38' 06.00" N, 88° 19' 40.80" E	2019	1262/CBT
128	AP-128	Jangipara	West Bengal, Hooghly	22° 44' 10.68" N, 88° 03' 29.88" E	2019	1240/CBT
129	AP-129	Serampore	West Bengal, Hooghly	22° 44' 52.80" N, 88° 20' 16.80" E	2019	1241/CBT
130	AP-130	Salboni	West Bengal, Paschim Medinipur	22° 38' 31.20" N, 87° 19' 08.40" E	2019	1239/CBT
131	AP-131	Marishda	West Bengal, Purba Medinipur	21° 51' 01.80" N, 87° 44' 39.48" E	2019	1235/CBT
132	AP-132	Tamluk	West Bengal, Purba Medinipur	22° 17' 08.88" N, 22° 17' 08.88" E	2019	1236/CBT
133	AP-133	Haldia	West Bengal, Purba Medinipur	22° 03' 45.72" N, 88° 04' 59.88" E	2019	1237/CBT
134	AP-134	Ramnagar	West Bengal, Purba Medinipur	21° 40' 40.80" N, 87° 33' 46.80" E	2019	1238/CBT
135	AP-135	Bankura	West Bengal, Bankura	23° 13' 52.68" N, 87° 04' 42.24" E	2019	1245/CBT
136	AP-136	Bankura	West Bengal, Bankura	23° 15' 18.72" N, 87° 05' 38.40" E	2019	1246/CBT
137	AP-137	Bankura	West Bengal, Bankura	23° 13' 52.68" N, 87° 04' 42.24" E	2019	1247/CBT
138	AP-138	Khatra	West Bengal, Bankura	22° 58' 23.16" N, 86° 51' 16.92" E	2019	1248/CBT
139	AP-139	Nabadwip	West Bengal, nadia	23° 24' 10.80" N, 23° 24' 10.80" E	2019	1253/CBT
140	AP-140	Kalyani	West Bengal, Nadia	22° 58' 26.40" N, 88° 25' 58.80" E	2019	1254/CBT
141	AP-141	Debagram	West Bengal, Nadia	23° 41' 16.80" N, 88° 18' 32.40" E	2019	1255/CBT
142	AP-142	Krishnanagar	West Bengal, Nadia	23° 24' 03.60" N, 88° 30' 07.20" E	2019	1257/CBT
143	AP-143	Siliguri	West Bengal, Darjeeling	26° 43' 37.56" N, 88° 23' 43.08" E	2019	1263/CBT
144	AP-144	Gazole	West Bengal, Maldah	25° 10' 40.80" N, 88° 14' 45.60" E	2019	1258/CBT
145	AP-145	Asansol	West Bengal, Paschim Bardhaman	23° 40' 22.80" N, 86° 57' 07.20" E	2019	1260/CBT
146	AP-146	Bardhaman	West Bengal, Purba Bardhaman	23° 13' 55.20" N, 87° 51' 39.60" E	2019	1261/CBT
147	AP-147	chowbaga	West Bengal, kolkata	22° 31' 27.23" N, 88° 25' 02.48" E	2019	1243/CBT
148	AP-148	Jadavpur	West Bengal, Kolkata	22° 29' 43.80" N, 88° 22' 15.24" E	2019	1244/CBT
149	AP-149	Saktipur	West Bengal, Murshidabad	24° 08' 24.00" N, 88° 15' 36.00" E	2019	1259/CBT
150	AP-150	Kashipur	Purulia, WB	23° 26' 02.40" N, 86° 40' 01.20" E	2019	1249/CBT

**Table S5.** Physicochemical properties of soil samples collected from different geographical locations of Odisha.

Serial No.	Acc. No.	pH	EC (Ds/m)	OC (%)	N (kg/ha)	P(kg/ha)	K(kg/ha)	S(kg/ha)
1	AP-1	5.9	0.2	0.25	120	20.18	170	47
2	AP-2	4.52	0.1	0.69	145	17.89	153	60
3	AP-3	4.65	0.09	0.74	103	15	167.1	43
4	AP-4	5.81	0.09	0.75	95	17.98	161.9	30.5
5	AP-5	4.53	0.08	0.73	34	39.78	385.2	60
6	AP-6	4.52	0.1	0.69	107	27	253	60



7	AP-7	4.65	0.09	0.74	33	40	607.1	43
8	AP-8	5.81	0.09	0.75	46	38.5	361.9	30.5
9	AP-9	5.83	0.31	0.57	98	24.5	232.5	49
10	AP-10	5.4	0.15	0.33	80	18.56	160.8	12.95
11	AP-11	5.5	0.06	0.34	76	19.99	90.45	7.55
12	AP-12	5.2	0.1	0.42	127	19.92	160.3	9.25
13	AP-13	5.8	0.35	0.3	64	27.43	167	105.95
14	AP-14	5.8	0.07	0.5	125	16.22	137	142
15	AP-15	6.1	0.11	0.5	114	21.77	181	56.25
16	AP-16	6.4	0.21	1	132	23.43	166	19.06
17	AP-17	4.7	0.18	0.4	182	9.76	203	17.33
18	AP-18	5.85	0.57	0.68	182	12.24	94	42.46
19	AP-19	6.12	0.49	0.41	164	10.79	76	18.44
20	AP-20	5.56	0.02	0.44	180	17	88	0.26
21	AP-21	5.42	0.25	0.5	102	11.7	104	126
22	AP-22	5.57	0.26	0.6	117	21.43	111	3.7
23	AP-23	5.91	0.02	0.59	68	28.45	261.9	25
24	AP-24	5.44	0.05	0.56	79	27.37	208.9	35
25	AP-25	5.85	0.07	0.58	38	39.33	445.9	41.25
26	AP-26	4.59	0.03	0.56	70	32.89	252.7	11.25
27	AP-27	5.91	0.02	0.49	68	34.5	270.9	25
28	AP-28	6.09	0.05	0.56	30	49	708.9	35
29	AP-29	5.98	0.01	0.87	30	43.29	653.9	41.25
30	AP-30	5.85	0.07	0.58	58	35.24	245.9	11.25
31	AP-31	5.85	0.07	0.58	70	35.24	245.9	32.5
32	AP-32	5.25	0.05	0.56	30	38.77	353.2	16.25
33	AP-33	5.44	0.05	0.55	75	33.12	290.2	16.25
34	AP-34	5.57	0.25	0.77	200	15.21	65	11.44
35	AP-35	4.87	0.32	0.44	210	16	55.4	88
36	AP-36	5.79	0.3	0.11	86	20.55	112.1	310
37	AP-37	5.72	0.07	0.47	49	37.912	338	11.12
38	AP-38	4.75	0.08	0.12	52	39.22	383	1670
39	AP-39	5.62	0.08	0.35	140	11.1	60	26
40	AP-40	6.07	0.15	0.35	44	46.11	384	1670
41	AP-41	5.8	0.15	0.2	145	16	164	1670
42	AP-42	5.27	0.1	0.4	95	25	201	27.5
43	AP-43	5.21	0.06	0.35	102	19.1	204	1670
44	AP-44	5.2	0.06	0.51	41	38.45	289	3.38
45	AP-45	4.8	0.09	0.19	82	26.88	269	1.84
46	AP-46	4.9	0.2	0.27	107	21.67	207	0.92

47	AP-47	4.6	0.01	0.47	76	29.78	251	3.99
48	AP-48	4.9	0.1	0.54	124	14.8	99	5.21
49	AP-49	4.8	0.3	0.69	150	15.89	162	1.84
50	AP-50	5.2	0.02	0.92	70	30.05	291	2.15
51	AP-51	6.1	0.01	0.51	77	33.4	332	0.31
52	AP-52	5.2	0.01	1.4	80	35.4	296	2.15
53	AP-53	7	0.01	0.73	68	33.2	225	4.6
54	AP-54	5.2	0.01	0.73	69	33.2	225	1.53
55	AP-55	4.52	0.08	0.32	90	28.43	198	15.93
56	AP-56	6.6	0.38	0.6	97	29.25	297	28.6
57	AP-57	5.9	0.53	0.78	83	25.5	220	17.12
58	AP-58	5.94	0.2	0.42	90	26.25	245	4.34
59	AP-59	5.6	0.12	0.41	95	28.75	232	28.96
60	AP-60	5.92	0.14	0.9	78	29	234	33.7
61	AP-61	5.42	0.06	0.4	118	12.5	167	28.96
62	AP-62	5.41	0.05	0.32	100	12	187	51.38
63	AP-63	5.23	0.25	0.24	87	11.5	428	6.52
64	AP-64	5.22	0.21	0.43	125	10.75	196	4.34
65	AP-65	5.56	0.26	0.18	64	20	298	15.2
66	AP-66	6.29	0.16	0.6	76	30	262	22.29
67	AP-67	5.13	0.18	0.19	50	29.25	444	38.01
68	AP-68	5.13	0.18	0.19	90	26.25	245	38.01
69	AP-69	5.2	0.52	0.32	87	27.75	307	23.26
70	AP-70	6.2	0.12	0.32	32	48.33	424	120
71	AP-71	5.7	0.2	0.48	74	25.1	302	480
72	AP-72	5.4	0.2	0.48	112	12	220	138
73	AP-73	5.07	0.42	0.25	156	17	90	37.5
74	AP-74	4.08	0.07	0.69	112	23.88	99.89	1.69
75	AP-75	5.76	0.33	0.39	178	7.2	87.9	2.78
76	AP-76	5.8	0.64	0.4	142	12	180	370
77	AP-77	5.6	0.56	0.54	70	16	289	10.2
78	AP-78	5.8	0.42	0.44	40	46.31	234	10.8
79	AP-79	6	0.33	0.37	136.4	24.15	213	8
80	AP-80	6.4	0.26	0.35	172.4	14.9	222	2
81	AP-81	7.7	0.44	0.63	65	38.7	233	5
82	AP-82	5.48	0.33	0.5	164	12.9	82	1.75
83	AP-83	7.14	0.36	1.1	90	28.99	199.1	13.65
84	AP-84	8.32	0.52	0.78	101	28.77	233	17.76
85	AP-85	5.42	0.39	1.01	150	16	203	17.38
86	AP-86	4.4	0.1	0.6	136	14.99	150	40.95

87	AP-87	5.1	0.1	0.64	143	16.78	170	30.54
88	AP-88	5.5	0.2	0.14	119	19.33	120	1.04
89	AP-89	5.86	0.17	0.29	147	14.32	189.26	16.25
90	AP-90	6.42	0.1	0.12	125	7.84	205.6	6.25
91	AP-91	5.03	0.26	0.34	160	14.56	66.32	5
92	AP-92	6.5	0.89	0.96	165	15.1	67.5	15
93	AP-93	5.9	1.2	0.65	230	13.89	147	9.04
94	AP-94	5.2	1.8	0.55	226	9.8	43.2	38.86
95	AP-95	6.32	0.73	0.3	180	19.91	156	5
96	AP-96	5.25	0.2	0.57	218	16.01	86	11.62
97	AP-97	5.9	1.2	0.65	231	11.5	30	9.04
98	AP-98	5.21	0.62	0.38	225	10	29	12
99	AP-99	5.95	1	0.98	97	28	135	6.12
100	AP-100	5.1	1.5	0.57	243	8.11	118	20.78
101	AP-101	5.9	0.59	0.84	230	8.99	126	10.35
102	AP-102	5.93	0.79	0.69	135	29	178	28.08
103	AP-103	6.5	0.89	0.96	192	31	67.5	15
104	AP-104	6.92	0.97	0.99	189	21	42	7.39
105	AP-105	6.23	1.9	0.53	183	28.4	86	10.77
106	AP-106	5.1	1.8	0.63	179	26	57	9.42
107	AP-107	6.7	1.6	0.65	185	30	134	23.27
108	AP-108	6.48	0.56	0.68	239	15.01	40	5.28
109	AP-109	5.5	2.6	0.41	134	23	137	11.7
110	AP-110	5.81	1	0.73	181	26	178	6.12
111	AP-111	6.2	0.76	0.76	178	23	263	5
112	AP-112	6.51	2.9	0.62	155	29	218	10.98
113	AP-113	7	0.23	0.27	170	12.36	54	2.8
114	AP-114	6.9	0.09	0.37	243	13.56	56	2.1
115	AP-115	7	0.23	0.27	227	12.8	45	2.8
116	AP-116	6.9	0.09	0.37	222.4	13	67	2.1
117	AP-117	6.8	0.09	0.35	219.4	16.09	230	2.2
118	AP-118	6.2	0.42	0.78	230	14.3	70	30
119	AP-119	6.35	0.41	0.38	173	32	185	12.4
120	AP-120	6.9	0.09	0.37	157	30	228	2.1
121	AP-121	6.9	0.09	0.37	171	32	228	2.1
122	AP-122	5.23	0.98	0.63	149	30	206	23.65
123	AP-123	5.69	0.11	0.57	159	15	128	13.63
124	AP-124	5.88	0.17	0.59	210	17	184	10.93
125	AP-125	5.84	0.06	0.81	123	25	180	11.7
126	AP-126	4.45	0.19	0.93	97	27	167	15.64

127	AP-127	6.9	0.06	0.36	170	14.1	161	1.8
128	AP-128	4.91	0.61	0.62	247	7	30	12.7
129	AP-129	7.82	0.17	0.72	106	27	334.6	20.6
130	AP-130	4.95	0.11	0.63	217	16	136	11.35
131	AP-131	7.2	0.29	0.42	201	18	109	7.81
132	AP-132	5.7	0.69	0.42	218	17	110	2.96
133	AP-133	6.9	1.3	0.47	65	41	140	5.7
134	AP-134	5.9	0.39	0.42	145	35	268	6.12
135	AP-135	5.2	0.14	0.78	235	8.13	35	6
136	AP-136	5.4	0.15	0.55	232	9.1	46	6
137	AP-137	5.2	0.31	0.81	155	15	234	4
138	AP-138	5.9	0.31	0.88	230	17	78	4
139	AP-139	5.32	0.27	0.46	150	18	253	14.46
140	AP-140	7.57	0.44	0.53	189	20.1	292	18.56
141	AP-141	8.37	0.1	0.48	175	25	156	12.33
142	AP-142	6.35	0.41	0.38	129	26	185	12.4
143	AP-143	5.44	0.01	1.08	241	12.78	120	8.59
144	AP-144	4.7	0.21	0.15	170	24	188	4.6
145	AP-145	5.3	0.17	0.54	195	23	175	9
146	AP-146	4.8	0.05	0.49	107	15	189	13.59
147	AP-147	5.7	0.24	1.1	235	10	54	8
148	AP-148	5.6	0.36	1.2	99	34	245	14
149	AP-149	6.9	0.17	0.67	229	15	50	4.2
150	AP-150	6.4	0.43	0.3	140	35	215	4

**Table S6.** Climatic data for *Andrographis paniculata* accessions from different geographical regions of Eastern India.

Serial No.	Acc. No.	Altitude	Annual Precipitation(mm)	Max temp.(°C)	Minimum temp.(°C)	Average temp.(°C)	Annual RH	UV Index
1	AP-1	47	1505	36.6	15.6	27.4	78.79	6.67
2	AP-2	39	1428	36.1	15.7	27.2	67.50	6.67
3	AP-3	43	1428	36.1	15.7	27.2	67.50	6.67
4	AP-4	39	1428	36.1	15.7	27.2	67.50	6.67
5	AP-5	39	1428	36.1	15.7	27.2	67.50	6.67
6	AP-6	43	1428	36.1	15.7	27.2	67.50	6.67
7	AP-7	43	1428	36.1	15.7	27.2	67.50	6.67
8	AP-8	43	1428	36.1	15.7	27.2	67.50	6.67
9	AP-9	43	1428	36.1	15.7	27.2	67.50	6.67
10	AP-10	6	1486	36.2	14	26.8	76.14	7.08

11	AP-11	53	1598	36.2	14	26.7	76.14	7.08
12	AP-12	19	1496	36.2	14	26.9	76.14	7.08
13	AP-13	20	1191	32.5	16.6	26.7	63.50	6.83
14	AP-14	21	1194	32.5	16.6	26.8	63.50	6.83
15	AP-15	16	1194	32.5	16.6	26.8	63.50	6.83
16	AP-16	46	1194	33.4	13.7	26.8	63.50	6.83
17	AP-17	46	1194	33.4	13.7	26.8	63.50	6.83
18	AP-18	95	1194	32.5	16.6	26.8	63.50	6.83
19	AP-19	188	1194	32.5	16.6	26.8	63.50	6.83
20	AP-20	29	1515	38.3	15.5	27.6	80.36	6.83
21	AP-21	50	1515	38.3	15.5	27.6	65.92	6.83
22	AP-22	29	1515	38.3	15.5	27.6	65.92	6.83
23	AP-23	59	1248	33.4	13.7	24.8	67.00	6.75
24	AP-24	1089	1247	33.4	13.7	24.7	67.00	6.75
25	AP-25	658	1245	33.4	13.7	24.8	67.00	6.75
26	AP-26	124	1249	33.4	13.7	24.8	67.00	6.75
27	AP-27	167	1248	33.4	13.7	24.8	67.00	6.75
28	AP-28	124	1247	33.4	13.7	24.7	67.00	6.75
29	AP-29	124	1245	33.4	13.7	24.8	67.00	6.75
30	AP-30	658	1249	33.4	13.7	24.8	67.00	6.75
31	AP-31	658	1249	33.4	13.7	24.8	67.00	6.75
32	AP-32	429	1249	33.4	13.7	24.8	67.00	6.75
33	AP-33	71	1249	33.4	13.7	24.8	67.00	6.75
34	AP-34	11	1428	34.9	16.4	27.2	61.17	6.67
35	AP-35	9	1428	34.9	16.4	27.3	61.17	6.67
36	AP-36	9	1428	34.9	16.4	27.4	61.17	6.67
37	AP-37	13	1428	34.9	16.4	27.5	63.50	6.75
38	AP-38	57	1472	37.9	14.6	27	61.00	6.83
39	AP-39	116	1472	37.9	14.6	27	61.00	6.83
40	AP-40	124	1472	37.9	14.6	27	65.92	6.83
41	AP-41	187	1472	37.9	14.6	27	65.92	6.83
42	AP-42	116	1472	37.9	14.6	27	65.92	6.83
43	AP-43	240	1472	37.9	14.6	27	65.92	6.83
44	AP-44	33	1465	37.2	13.7	27.3	59.25	7.08
45	AP-45	40	1610	38.5	14.2	26.1	59.25	7.08
46	AP-46	27	1459	38.5	14.2	27.1	59.25	7.08
47	AP-47	40	1670	37.2	13.7	26.7	59.25	7.08
48	AP-48	388	1610	38.5	14.2	26.1	59.25	7.08
49	AP-49	403	1459	38.5	14.2	27.1	59.25	7.08
50	AP-50	573	1459	38.5	14.2	27.1	59.25	7.08

51	AP-51	573	1308	38.5	14.2	26.1	59.25	7.08
52	AP-52	573	1157	38.5	14.2	27	59.25	7.08
53	AP-53	325	855	38.5	14.2	27.3	59.25	7.08
54	AP-54	114	704	38.5	14.2	26.1	59.25	7.08
55	AP-55	93	1516	37.3	14.5	26.9	65.42	6.67
56	AP-56	138	1516	37.3	14.5	26.9	65.42	6.67
57	AP-57	121	1516	37.3	14.5	26.9	65.42	6.67
58	AP-58	69	1516	37.3	14.5	26.9	65.42	6.67
59	AP-59	91	1516	37.3	14.5	26.9	65.42	6.67
60	AP-60	87	1516	37.3	14.5	26.9	65.42	6.67
61	AP-61	88	1396	38.2	14.7	27.2	65.42	6.67
62	AP-62	43	1396	38.2	14.7	27.2	65.42	6.67
63	AP-63	128	1396	38.2	14.7	27.2	65.42	6.67
64	AP-64	69	1396	38.2	14.7	27.2	65.42	6.67
65	AP-65	101	1396	38.2	14.7	27.2	65.42	6.67
66	AP-66	247	1396	38.2	14.7	27.2	65.42	6.67
67	AP-67	69	1396	38.2	14.7	27.2	65.42	6.67
68	AP-68	93	1396	38.2	14.7	27.2	65.42	6.67
69	AP-69	64	1396	38.2	14.7	27.2	65.42	6.67
70	AP-70	755	1323	37.5	12.1	25.1	55.50	6.83
71	AP-71	740	1323	37.5	12.1	25.1	55.50	6.83
72	AP-72	722	1323	37.5	12.1	25.1	55.50	6.83
73	AP-73	28	1516	37.3	14.5	26.9	62.42	7.08
74	AP-74	19	1516	37.3	14.5	26.9	62.42	7.08
75	AP-75	14	1516	37.3	14.5	26.9	62.42	7.08
76	AP-76	541	1323	37.5	12.1	25.1	55.50	6.83
77	AP-77	369	1253	39.4	13.6	26.7	55.50	6.75
78	AP-78	342	1253	39.4	13.6	26.7	55.42	6.75
79	AP-79	471	1494	35.7	15.2	26.9	64.25	6.33
80	AP-80	511	1494	35.7	15.2	26.9	64.25	6.33
81	AP-81	56	1494	35.7	15.2	26.9	64.25	6.33
82	AP-82	15	1515	38.3	15.5	27.6	67.25	6.67
83	AP-83	204	1249	40	13.4	26.9	57.92	6.83
84	AP-84	114	1249	40	13.4	26.9	57.92	6.83
85	AP-85	257	1249	40	13.4	26.9	57.92	6.83
86	AP-86	155	1638	42.1	12.2	26.8	55.25	6.83
87	AP-87	188	1638	42.1	12.2	26.8	55.25	6.83
88	AP-88	163	1638	42.1	12.2	26.8	55.25	6.83
89	AP-89	249	1312	36.7	14.9	26.5	68.58	6.58
90	AP-90	223	1312	36.7	14.9	26.5	68.58	6.58

91	AP-91	121	1312	36.7	14.9	26.5	68.58	6.58
92	AP-92	8	1735	35.9	12.6	26.2	57.83	6.83
93	AP-93	5	1333	37.8	11.4	26.4	63.08	6.92
94	AP-94	4	1399	34.6	13.7	26.3	62.92	6.83
95	AP-95	4	1472	34.1	14	26.3	63.25	6.90
96	AP-96	5	1333	37.8	11.4	26.4	63.08	6.92
97	AP-97	5	1333	37.8	11.4	26.4	63.08	6.92
98	AP-98	4	1657	33.2	14.7	26.3	58.00	6.83
99	AP-99	6	1157	38.4	12.7	26.6	58.50	6.83
100	AP-100	4	1333	37.8	11.4	26.4	63.08	6.92
101	AP-101	8	1609	35.1	13.1	26.3	61.00	6.83
102	AP-102	4	1592	33.5	14.3	26.2	60.83	6.75
103	AP-103	8	1735	35.9	12.6	26.2	57.83	6.83
104	AP-104	6	1607	34.8	13.2	26.3	56.50	6.75
105	AP-105	4	1333	37.8	11.4	26.4	63.08	6.92
106	AP-106	6	1472	34.1	14	26.3	63.25	6.90
107	AP-107	5	1399	34.6	13.7	26.3	62.92	6.83
108	AP-108	10	1609	35.1	13.1	26.3	61.00	6.83
109	AP-109	5	1657	33.2	14.7	26.3	58.00	6.83
110	AP-110	4	1657	33.2	14.7	26.3	58.00	6.83
111	AP-111	8	1233	38.2	12.2	26.4	53.42	7.25
112	AP-112	10	1609	35.1	13.1	26.4	61.00	6.83
113	AP-113	10	1533	36.4	12.3	26.4	59.42	6.92
114	AP-114	9	1569	36.4	12.4	26.4	59.42	6.92
115	AP-115	11	1527	36.2	12.3	26.3	58.83	6.75
116	AP-116	6	1689	35.9	12.6	26.3	59.33	6.67
117	AP-117	9	1533	36.4	12.3	26.4	59.42	6.92
118	AP-118	9	1627	36.3	12.4	26.4	59.33	6.92
119	AP-119	7	1535	36.3	11.7	26.2	60.08	7.00
120	AP-120	5	1574	35.8	11.8	26.2	60.67	6.92
121	AP-121	8	1527	36.2	12.3	26.3	58.83	6.75
122	AP-122	14	1533	36.4	12.3	26.4	59.42	6.92
123	AP-123	62	1311	38.1	11.8	26.4	55.50	7.17
124	AP-124	51	1289	38.3	11.8	26.3	55.67	7.33
125	AP-125	70	1307	38.2	11.4	26.2	54.00	7.34
126	AP-126	54	1287	38	12	26.3	55.33	7.08
127	AP-127	39	3197	32.2	10.2	24	59.83	6.67
128	AP-128	9	1260	38.7	12.7	26.8	57.50	6.92
129	AP-129	9	1533	36.4	12.3	26.4	59.42	6.92
130	AP-130	38	1306	38.3	13.1	26.8	57.08	7.08

131	AP-131	5	1580	34.2	14.5	26.6	67.00	6.83
132	AP-132	3	1550	35.6	13.6	26.5	61.00	7.08
133	AP-133	7	1451	34	14.1	26.4	63.08	6.92
134	AP-134	7	1526	34.5	14.5	26.5	59.42	6.92
135	AP-135	88	1236	38.6	12.5	26.6	53.42	7.25
136	AP-136	94	1236	38.6	12.5	26.6	53.42	7.25
137	AP-137	88	1236	38.6	12.5	26.6	53.42	7.25
138	AP-138	133	1193	38.5	12.4	26.5	53.42	7.17
139	AP-139	13	1299	37.8	11.5	26.4	58.92	7.17
140	AP-140	12	1345	36.8	11.9	26.3	60.25	7.08
141	AP-141	16	1350	37.8	11.6	26.4	57.58	7.08
142	AP-142	14	1353	37.7	11.2	26.4	58.92	7.25
143	AP-143	123	3274	32.5	9.7	24	61.17	6.00
144	AP-144	38	1442	35.6	10.5	25.2	56.75	6.83
145	AP-145	132	1298	38.9	12.1	26.5	50.83	7.25
146	AP-146	38	1313	37.6	12.6	26.3	57.92	7.17
147	AP-147	3	1735	35.9	12.6	26.2	57.92	6.83
148	AP-148	10	1607	34.8	13.2	26.3	56.50	6.75
149	AP-149	5	1365	37.7	11.7	26.3	56.17	7.08
150	AP-150	159	1164	39.4	12.3	26.5	49.42	7.25

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RH=Relative humidity