

Supplemental Data S2. Tissue specific usage of different APA-classes

Arabidopsis	APA-class1	APA-class2	APA-class3	APA-class4	APA-class5	APA-class6	APA-class7	APA-class8	D1	D2	D3	D4	D5	D6	D7	D8	p-value
ap1	209016	86491	524673	9526	178	14980	11410	3972	-0.274368	0.079624	0.015329	0.104122	0.074987	0.774794	-0.027267	0.009937	1.19E-07
ap3	328936	81834	513065	8570	260	10611	12649	4196	0.141953	0.021493	-0.006684	0.570206	0.257165	0.078361	0.066893	0.2582	
agamous	352913	61875	543657	4177	91	9097	7330	1922	0.225193	-0.227645	0.052066	-0.51586	-0.450428	0.07779	-0.375098	-0.511304	5.7E-07
Inflorescence	327130	81577	548367	8609	165	8972	11343	4025	0.135683	0.018285	0.06118	-0.002164	-0.003523	0.062981	-0.032979	0.023413	0.9015
Roots	312809	77328	539504	6831	225	10456	8971	6078	0.085965	-0.034753	0.044029	-0.208245	0.358832	0.238801	-0.235198	0.545418	0.4476
sup/ap1	294726	71385	508040	7230	260	11565	9957	2843	0.023187	-0.108937	-0.016859	-0.161998	0.570206	0.370193	-0.151139	-0.277127	0.529
salicylic acid treatment 4hr	361934	69829	488737	3046	15	4646	4559	1728	0.256511	-0.12836	-0.054213	-0.64695	-0.909411	-0.449553	-0.611333	-0.580631	3.19E-11
salicylic acid treatment 52hr	284992	68095	510337	2398	200	5006	4973	1407	-0.010606	-0.150004	-0.012414	-0.722057	0.207851	-0.406901	-0.576038	-0.64225	0.000129
Leaves	295903	94819	509095	15979	125	3949	14947	4182	0.027274	0.183578	-0.014817	0.852065	-0.245093	-0.532132	0.274272	0.063333	5.39E-03
Germinating seedlings	83141	112273	355556	29984	245	3444	35477	9857	-0.711363	0.401448	-0.311941	2.475331	0.479618	-0.591963	0.20451	0.1506282	2.20E-16
Callus	290447	78019	629024	4655	111	8296	11504	4164	0.008332	-0.026128	0.217265	-0.460457	-0.329643	-0.01711	-0.019253	0.058756	4.69E-04
Silique	314616	77821	530968	2527	112	10263	7638	2821	0.092239	-0.028599	0.02751	-0.707105	-0.323603	0.215935	-0.34884	-0.282721	2.12E-03
Average	288047	80112	516752	8628	166	8440	11730	3933									
Rice	APA-class1	APA-class2	APA-class3	APA-class4	APA-class5	APA-class6	APA-class7	APA-class8	D1	D2	D3	D4	D5	D6	D7	D8	chisq-pvalue
Young roots stressed in drought	742622	438806	84183	117768	10305	4193	3744	23635	-0.019	-0.033	-0.045	-0.072	0.062	-0.223	-0.072	-0.107	1
Stem	717278	444907	91969	122131	8636	3118	4043	32913	-0.053	-0.019	0.043	-0.037	-0.110	-0.422	0.002	0.244	0.9968
Crown vegetative meristematic tissue	848746	487704	80809	119951	8369	2463	3180	25231	0.121	0.075	-0.083	-0.055	-0.137	-0.544	-0.212	-0.046	0.9654
Immature panicle	803437	391477	93900	119190	11888	2696	4655	40903	0.061	-0.137	0.065	-0.061	0.225	-0.501	0.153	0.546	0.7526
Young Roots	660552	478314	107552	122662	13029	3698	3514	26918	-0.127	0.054	0.220	-0.033	0.343	-0.315	-0.129	0.018	0.7468
Young roots stressed in salt	665005	497338	92991	105728	9503	3812	3258	27384	-0.122	0.096	0.055	-0.167	-0.021	-0.294	-0.193	0.035	0.7435
Germinating seed	802376	402750	90026	138465	4929	2607	2944	36789	0.113	-0.112	0.021	0.091	-0.492	-0.517	-0.271	0.391	0.5857
Mature Pollen	845164	268278	67860	101216	8829	7608	2644	12465	-0.201	-0.409	-0.230	-0.202	-0.090	0.409	-0.345	-0.529	0.5155
Young leaves stressed in drought	757818	424332	97591	194175	9754	6208	4796	18270	0.001	-0.065	0.107	0.530	0.005	0.150	0.188	-0.309	0.4288
Callus	947123	413284	74089	123206	8126	2663	4768	31517	0.251	-0.089	-0.159	0.043	-0.162	-0.507	0.181	0.191	0.2675
Young leaves stressed in salt	1015062	385117	94670	164234	7399	9363	3811	22672	0.341	-0.151	0.074	0.294	-0.237	0.734	-0.056	-0.143	0.05347
Young leaves	1028457	395054	82796	148953	5539	7838	5304	18584	0.359	-0.129	-0.061	0.174	-0.429	0.452	0.314	-0.297	0.02935
Young leaves stressed in cold	902562	498462	122365	137132	11481	20391	7307	19565	0.192	0.099	0.388	0.081	0.183	0.277	0.810	0.260	0.005975
Germinating seedlings grown in dark	516597	646110	86859	118528	10813	2263	2984	28303	-0.318	0.424	-0.015	-0.066	0.114	-0.581	-0.261	0.070	2.09E-05
Young roots stressed in cold	302734	632155	54523	60737	16937	2057	3597	31652	-0.600	0.394	-0.381	-0.521	0.746	-0.619	-0.109	0.197	2.20E-16
Average	757036	453606	88146	126878	9702	5399	4037	26453									