Table S4 Gene IDs and relative transcript levels of DoAP2/ERF of two cultivals of D. officinale flower

Gene ID	Gene Name	Wanhu No.5-1	Wanhu No.5-2	Wanhu No.5-3	Wanhu No.6-1	Wanhu No.6-2	Wanhu No.6-3
MA16_Dca000204	AP2/ERF01	0.813882413	0.899224633	2.859441027	1.641746068	0.556165903	2.203114501
MA16_Dca000285	AP2/ERF02	0	0	0	0	0	0
MA16_Dca000925	AP2/ERF03	0.157224161	0.146568149	1.242857346	0.285434271	2.236074311	0.820786905
MA16_Dca001584	AP2/ERF04	0.11443971	0	0.681762328	0.092338127	0.234606856	0.75232074
MA16_Dca001811	AP2/ERF05	0.34950506	0.108605678	0.240246808	0.846016893	0.671720643	0.405463801
MA16_Dca001859	AP2/ERF06	24.8799762	26.95237787	8.382147179	11.12849977	13.83489118	7.928898593
MA16_Dca001938	AP2/ERF07	0.608073067	0.554263459	2.452174314	1.22659189	0.186986812	0.987603052
MA16_Dca002039	AP2/ERF08	23.67698611	25.71782451	24.22975743	35.56236369	33.98546356	45.93445064
MA16_Dca002334	AP2/ERF09	2.570518869	2.506898032	0.761148908	1.579490254	0.972865127	1.192832345
MA16_Dca002515	AP2/ERF10	0	0.132840003	0.587711199	0	1.478895697	0.743908792
MA16_Dca002518	AP2/ERF11	0	0	3.07891719	0.0874375	1.11077827	1.2571643
MA16_Dca003321	AP2/ERF12	61.92752085	61.09980047	54.77030331	54.43934788	46.43467124	44.8201197
MA16_Dca003385	AP2/ERF13	10.00226421	9.11933063	1.451286839	1.437365435	1.825983462	2.173782461
MA16_Dca003422	AP2/ERF14	0	0.073062001	0	0	0.180753919	0.068191639
MA16_Dca003553	AP2/ERF15	108.8277056	119.5607467	51.25681244	106.8151263	96.44512651	111.0549554
MA16_Dca003726	AP2/ERF16	0.795796137	1.137519161	1.066695827	1.179868174	0.825906366	0.877049392
MA16_Dca003949	AP2/ERF17	19.90608035	25.94658793	14.58217141	10.19973175	15.56379246	10.50713124
MA16_Dca003950	AP2/ERF18	6.979005809	5.613017254	9.947361874	8.695173619	6.627643678	8.334533693
MA16_Dca004012	AP2/ERF19	8.575750481	10.21945132	3.630508603	3.196162766	4.60446824	3.095182618
MA16_Dca004231	AP2/ERF20	0.087970661	0.218688984	0	0.319414541	1.082064274	0.714388602
MA16_Dca004232	AP2/ERF21	69.33799614	76.67814409	53.74984807	93.48157475	101.7356199	95.20826465
MA16_Dca004258	AP2/ERF22	23.5937314	21.51899602	11.02977997	18.78157502	10.71243631	16.59422668
MA16_Dca004554	AP2/ERF23	0	0	0	0	0	0
MA16_Dca004576	AP2/ERF24	6.984998944	6.218269613	16.86988533	12.62386885	12.04586333	13.63335037
MA16_Dca004577	AP2/ERF25	3.870066982	3.226460648	2.141177754	2.856078926	3.845968412	2.190096445
MA16_Dca004580	AP2/ERF26	7.243891189	6.936342711	12.39314653	9.936310435	10.97273787	11.20493326
MA16_Dca004865	AP2/ERF27	17.29151322	17.77285372	10.61616323	31.03431682	33.00566552	24.73213341
MA16_Dca005005	AP2/ERF28	109.1913988	120.1265106	91.18718738	76.18354105	108.5660705	66.9632866
MA16_Dca005355	AP2/ERF29	0.598689224	0.347270007	0.823067767	0.772904322	0.613670711	0.601938544
MA16_Dca005447	AP2/ERF30	3.51441632	4.368298029	0.703625215	1.321482851	1.993539259	1.029171971
MA16_Dca005472	AP2/ERF31	0	0	0	0.120859556	0.383840367	0.1158468
MA16_Dca005593	AP2/ERF32	0	0	0	0	0	0
MA16_Dca005811	AP2/ERF33	130.9589914	126.5905482	204.403001	152.7866222	172.371336	127.7961833
MA16_Dca005958	AP2/ERF34	0.508549498	0.632109451	0.599267318	0.615501054	0.893614878	0.168563603
MA16_Dca006007	AP2/ERF35	0.226871706	0.140996845	0.623798729	0.068646108	0.348823351	0.06579895
MA16_Dca006176	AP2/ERF36	0.075623902	0	0.727765184	0.27458443	0	0.350927734
MA16_Dca006212	AP2/ERF37	62.85521285	65.83148306	22.09887768	24.19406078	38.65685396	18.58833451
MA16_Dca006263	AP2/ERF38	2.125756806	3.082615952	1.2176893	0.536003853	0.408553377	0.513772625
MA16_Dca006394	AP2/ERF39	18.79135801	18.33399599	17.13009791	29.75379723	16.87977999	28.91041375
MA16_Dca006431	AP2/ERF40	0.753302169	1.248438083	0.086302251	0.075977245	0.579114496	0.145652045
MA16_Dca006653	AP2/ERF41	18.91721104	21.95200021	7.212895589	26.02589681	31.69907291	20.31721185
MA16_Dca007398	AP2/ERF42	4.103782665	3.380802576	4.198556759	3.754004847	4.402124952	4.650116215
MA16_Dca007407	AP2/ERF43	30.31097788	35.63145123	62.8405104	45.4159473	39.19121088	59.44497759
MA16_Dca007470	AP2/ERF44	56.38460784	61.7806744	55.01993481	59.93488394	45.98516751	61.78614978
MA16_Dca008681	AP2/ERF45	1.296493065	0.661126594	0.137107433	1.609389462	1.533387998	1.388374764

MA16_Dca008693	AP2/ERF46	0	0	0	0	0	0
MA16_Dca009059	AP2/ERF47	8.588956446	6.417460874	8.424774252	7.475253738	7.5673842	5.541842926
MA16_Dca009728	AP2/ERF48	82.54339178	86.1530593	55.20859291	87.83242987	100.9480432	79.52302122
MA16_Dca009859	AP2/ERF49	1.873281796	1.201767501	0.415379995	0.511958821	0.278732678	0.140207109
MA16_Dca011128	AP2/ERF50	0.141219673	0.225682937	0	0	0	0
MA16_Dca011474	AP2/ERF51	0.082367435	0	0	0	0	0
MA16_Dca011493	AP2/ERF52	14.74454058	14.42121001	29.74120762	20.99031164	24.99303013	23.48469073
MA16_Dca012028	AP2/ERF53	19.27810894	18.44863731	18.05971386	19.73965008	19.20093076	20.74177356
MA16_Dca012097	AP2/ERF54	0	0	0	0.094285015	0	0
MA16_Dca012098	AP2/ERF55	0.635984618	0.790506901	1.360085753	0.513157787	3.042197098	1.393643339
MA16_Dca012187	AP2/ERF56	0	0	1.143909734	0.587448727	0.746276232	0.241321619
MA16_Dca012503	AP2/ERF57	117.0757121	110.2526882	99.24758904	90.86878528	125.9574029	86.00753264
MA16_Dca012658	AP2/ERF58	2.469712151	2.686045995	0.84882957	0.871823774	0.685618312	0.437728825
MA16_Dca012727	AP2/ERF59	0	0	0.194297965	0	0	0
MA16_Dca012732	AP2/ERF60	0.136843251	0.170091432	0	0	0.210401387	0
MA16_Dca012809	AP2/ERF61	0.232305759	0.144374015	6.227715155	0.468602171	7.20309777	6.692580648
MA16_Dca012817	AP2/ERF62	0	0.193658317	0	0	0	0.060249641
MA16_Dca012912	AP2/ERF63	0.048983664	0.121770002	0	0.948564395	0.979083725	0.738742759
MA16_Dca013018	AP2/ERF64	1.006658288	1.539989492	9.3681869	0.65604304	3.214605616	1.886499243
MA16_Dca013083	AP2/ERF65	0.769170988	0.657286407	0.594811799	2.21096608	0.443485451	1.115402279
MA16_Dca013337	AP2/ERF66	5.580479138	4.035083981	3.688436468	2.760086232	3.341322435	3.921726642
MA16_Dca013671	AP2/ERF67	92.33224685	95.07558249	95.91373307	76.14363538	85.49660345	74.93579243
MA16_Dca014041	AP2/ERF68	736.4015612	769.8861569	276.1898863	257.2935317	275.5570314	263.6437398
MA16_Dca014263	AP2/ERF69	0	0	0	0	0	0
MA16_Dca014264	AP2/ERF70	0	0	0	0	0	0
MA16_Dca014264 MA16_Dca014326	AP2/ERF70 AP2/ERF71	0 0.813313663	0 1.718565317	0 1.956727145	0 0.196871856	0 2.250897853	0 1.179415145
MA16_Dca014326	AP2/ERF71	0.813313663	1.718565317	1.956727145	0.196871856	2.250897853	1.179415145
MA16_Dca014326 MA16_Dca014404	AP2/ERF71 AP2/ERF72	0.813313663 101.1474977	1.718565317 111.447653	1.956727145 34.68626289	0.196871856 34.31249282	2.250897853 41.2953183	1.179415145 24.65390036
MA16_Dca014326 MA16_Dca014404 MA16_Dca014713	AP2/ERF71 AP2/ERF72 AP2/ERF73	0.813313663 101.1474977 41.05297535	1.718565317 111.447653 43.37331515	1.956727145 34.68626289 13.07501939	0.196871856 34.31249282 13.58103308	2.250897853 41.2953183 20.19853312	1.179415145 24.65390036 13.65275995
MA16_Dca014326 MA16_Dca014404 MA16_Dca014713 MA16_Dca014976	AP2/ERF71 AP2/ERF72 AP2/ERF73 AP2/ERF74	0.813313663 101.1474977 41.05297535 9.28730265	1.718565317 111.447653 43.37331515 7.403616147	1.956727145 34.68626289 13.07501939 6.410949664	0.196871856 34.31249282 13.58103308 4.932534853	2.250897853 41.2953183 20.19853312 6.205884535	1.179415145 24.65390036 13.65275995 4.046037266
MA16_Dca014326 MA16_Dca014404 MA16_Dca014713 MA16_Dca014976 MA16_Dca015060	AP2/ERF71 AP2/ERF72 AP2/ERF73 AP2/ERF74 AP2/ERF75	0.813313663 101.1474977 41.05297535 9.28730265 10.71686787	1.718565317 111.447653 43.37331515 7.403616147 13.40950104	1.956727145 34.68626289 13.07501939 6.410949664 8.152463499	0.196871856 34.31249282 13.58103308 4.932534853 6.917707189	2.250897853 41.2953183 20.19853312 6.205884535 5.053120595	1.179415145 24.65390036 13.65275995 4.046037266 5.387516255
MA16_Dca014326 MA16_Dca014404 MA16_Dca014713 MA16_Dca014976 MA16_Dca015060 MA16_Dca015347	AP2/ERF71 AP2/ERF72 AP2/ERF73 AP2/ERF74 AP2/ERF75 AP2/ERF76	0.813313663 101.1474977 41.05297535 9.28730265 10.71686787 0.147790711	1.718565317 111.447653 43.37331515 7.403616147 13.40950104 0.27554812	1.956727145 34.68626289 13.07501939 6.410949664 8.152463499 0.304770236	0.196871856 34.31249282 13.58103308 4.932534853 6.917707189 0.178872143	2.250897853 41.2953183 20.19853312 6.205884535 5.053120595 0.113616749	1.179415145 24.65390036 13.65275995 4.046037266 5.387516255 0
MA16_Dca014326 MA16_Dca014404 MA16_Dca014713 MA16_Dca014976 MA16_Dca015060 MA16_Dca015347 MA16_Dca016047	AP2/ERF71 AP2/ERF72 AP2/ERF73 AP2/ERF74 AP2/ERF75 AP2/ERF76 AP2/ERF77	0.813313663 101.1474977 41.05297535 9.28730265 10.71686787 0.147790711 37.63452567	1.718565317 111.447653 43.37331515 7.403616147 13.40950104 0.27554812 36.16569072	1.956727145 34.68626289 13.07501939 6.410949664 8.152463499 0.304770236 88.77735565	0.196871856 34.31249282 13.58103308 4.932534853 6.917707189 0.178872143 143.9720094	2.250897853 41.2953183 20.19853312 6.205884535 5.053120595 0.113616749 120.6995878	1.179415145 24.65390036 13.65275995 4.046037266 5.387516255 0 140.5010045
MA16_Dca014326 MA16_Dca014404 MA16_Dca014713 MA16_Dca014976 MA16_Dca015060 MA16_Dca015347 MA16_Dca016047 MA16_Dca016049	AP2/ERF71 AP2/ERF72 AP2/ERF73 AP2/ERF74 AP2/ERF75 AP2/ERF76 AP2/ERF77 AP2/ERF78	0.813313663 101.1474977 41.05297535 9.28730265 10.71686787 0.147790711 37.63452567 24.16741549	1.718565317 111.447653 43.37331515 7.403616147 13.40950104 0.27554812 36.16569072 20.65199279	1.956727145 34.68626289 13.07501939 6.410949664 8.152463499 0.304770236 88.77735565 27.28672043	0.196871856 34.31249282 13.58103308 4.932534853 6.917707189 0.178872143 143.9720094 20.10937079	2.250897853 41.2953183 20.19853312 6.205884535 5.053120595 0.113616749 120.6995878 19.43475021	1.179415145 24.65390036 13.65275995 4.046037266 5.387516255 0 140.5010045 19.2138328
MA16_Dca014326 MA16_Dca014404 MA16_Dca014713 MA16_Dca014976 MA16_Dca015060 MA16_Dca015347 MA16_Dca016047 MA16_Dca016049 MA16_Dca016529	AP2/ERF71 AP2/ERF72 AP2/ERF73 AP2/ERF74 AP2/ERF75 AP2/ERF76 AP2/ERF77 AP2/ERF78 AP2/ERF79	0.813313663 101.1474977 41.05297535 9.28730265 10.71686787 0.147790711 37.63452567 24.16741549 0.284838926	1.718565317 111.447653 43.37331515 7.403616147 13.40950104 0.27554812 36.16569072 20.65199279 0.495662917	1.956727145 34.68626289 13.07501939 6.410949664 8.152463499 0.304770236 88.77735565 27.28672043 0.078318343	0.196871856 34.31249282 13.58103308 4.932534853 6.917707189 0.178872143 143.9720094 20.10937079 0.068948513	2.250897853 41.2953183 20.19853312 6.205884535 5.053120595 0.113616749 120.6995878 19.43475021 0.613130032	1.179415145 24.65390036 13.65275995 4.046037266 5.387516255 0 140.5010045 19.2138328 0.066088813
MA16_Dca014326 MA16_Dca014404 MA16_Dca014713 MA16_Dca014976 MA16_Dca015060 MA16_Dca015347 MA16_Dca016047 MA16_Dca016049 MA16_Dca016529 MA16_Dca016530	AP2/ERF71 AP2/ERF72 AP2/ERF73 AP2/ERF74 AP2/ERF75 AP2/ERF76 AP2/ERF77 AP2/ERF78 AP2/ERF79 AP2/ERF80	0.813313663 101.1474977 41.05297535 9.28730265 10.71686787 0.147790711 37.63452567 24.16741549 0.284838926 0.186067442	1.718565317 111.447653 43.37331515 7.403616147 13.40950104 0.27554812 36.16569072 20.65199279 0.495662917 0.1156377	1.956727145 34.68626289 13.07501939 6.410949664 8.152463499 0.304770236 88.77735565 27.28672043 0.078318343	0.196871856 34.31249282 13.58103308 4.932534853 6.917707189 0.178872143 143.9720094 20.10937079 0.068948513 0.112599371	2.250897853 41.2953183 20.19853312 6.205884535 5.053120595 0.113616749 120.6995878 19.43475021 0.613130032 0.429128008	1.179415145 24.65390036 13.65275995 4.046037266 5.387516255 0 140.5010045 19.2138328 0.066088813 0.32378764
MA16_Dca014326 MA16_Dca014404 MA16_Dca014713 MA16_Dca014976 MA16_Dca015060 MA16_Dca015347 MA16_Dca016047 MA16_Dca016049 MA16_Dca016529 MA16_Dca016530 MA16_Dca016545	AP2/ERF71 AP2/ERF72 AP2/ERF73 AP2/ERF74 AP2/ERF75 AP2/ERF76 AP2/ERF77 AP2/ERF78 AP2/ERF79 AP2/ERF80 AP2/ERF81	0.813313663 101.1474977 41.05297535 9.28730265 10.71686787 0.147790711 37.63452567 24.16741549 0.284838926 0.186067442 12.02837085	1.718565317 111.447653 43.37331515 7.403616147 13.40950104 0.27554812 36.16569072 20.65199279 0.495662917 0.1156377 14.35990661	1.956727145 34.68626289 13.07501939 6.410949664 8.152463499 0.304770236 88.77735565 27.28672043 0.078318343 0	0.196871856 34.31249282 13.58103308 4.932534853 6.917707189 0.178872143 143.9720094 20.10937079 0.068948513 0.112599371 8.573696929	2.250897853 41.2953183 20.19853312 6.205884535 5.053120595 0.113616749 120.6995878 19.43475021 0.613130032 0.429128008 11.03795068	1.179415145 24.65390036 13.65275995 4.046037266 5.387516255 0 140.5010045 19.2138328 0.066088813 0.32378764 8.273250357
MA16_Dca014326 MA16_Dca014404 MA16_Dca014713 MA16_Dca014976 MA16_Dca015060 MA16_Dca015347 MA16_Dca016047 MA16_Dca016049 MA16_Dca016529 MA16_Dca016530 MA16_Dca016545 MA16_Dca016545	AP2/ERF71 AP2/ERF72 AP2/ERF73 AP2/ERF74 AP2/ERF75 AP2/ERF76 AP2/ERF77 AP2/ERF78 AP2/ERF79 AP2/ERF80 AP2/ERF81 AP2/ERF82	0.813313663 101.1474977 41.05297535 9.28730265 10.71686787 0.147790711 37.63452567 24.16741549 0.284838926 0.186067442 12.02837085 2.855047831	1.718565317 111.447653 43.37331515 7.403616147 13.40950104 0.27554812 36.16569072 20.65199279 0.495662917 0.1156377 14.35990661 3.131228634	1.956727145 34.68626289 13.07501939 6.410949664 8.152463499 0.304770236 88.77735565 27.28672043 0.078318343 0 12.28791761 5.26421317	0.196871856 34.31249282 13.58103308 4.932534853 6.917707189 0.178872143 143.9720094 20.10937079 0.068948513 0.112599371 8.573696929 3.008304224	2.250897853 41.2953183 20.19853312 6.205884535 5.053120595 0.113616749 120.6995878 19.43475021 0.613130032 0.429128008 11.03795068 3.61507837	1.179415145 24.65390036 13.65275995 4.046037266 5.387516255 0 140.5010045 19.2138328 0.066088813 0.32378764 8.273250357 2.64973227
MA16_Dca014326 MA16_Dca014404 MA16_Dca014713 MA16_Dca014976 MA16_Dca015060 MA16_Dca015347 MA16_Dca016047 MA16_Dca016049 MA16_Dca016529 MA16_Dca016530 MA16_Dca016545 MA16_Dca016546 MA16_Dca016546	AP2/ERF71 AP2/ERF72 AP2/ERF73 AP2/ERF74 AP2/ERF75 AP2/ERF76 AP2/ERF77 AP2/ERF78 AP2/ERF79 AP2/ERF80 AP2/ERF81 AP2/ERF82 AP2/ERF82	0.813313663 101.1474977 41.05297535 9.28730265 10.71686787 0.147790711 37.63452567 24.16741549 0.284838926 0.186067442 12.02837085 2.855047831 0.627751807	1.718565317 111.447653 43.37331515 7.403616147 13.40950104 0.27554812 36.16569072 20.65199279 0.495662917 0.1156377 14.35990661 3.131228634 0.468164281	1.956727145 34.68626289 13.07501939 6.410949664 8.152463499 0.304770236 88.77735565 27.28672043 0.078318343 0 12.28791761 5.26421317 0.086302251	0.196871856 34.31249282 13.58103308 4.932534853 6.917707189 0.178872143 143.9720094 20.10937079 0.068948513 0.112599371 8.573696929 3.008304224 0.075977245	2.250897853 41.2953183 20.19853312 6.205884535 5.053120595 0.113616749 120.6995878 19.43475021 0.613130032 0.429128008 11.03795068 3.61507837 0	1.179415145 24.65390036 13.65275995 4.046037266 5.387516255 0 140.5010045 19.2138328 0.066088813 0.32378764 8.273250357 2.64973227 0.072826023
MA16_Dca014326 MA16_Dca014404 MA16_Dca014404 MA16_Dca014976 MA16_Dca015060 MA16_Dca015347 MA16_Dca016047 MA16_Dca016049 MA16_Dca016529 MA16_Dca016530 MA16_Dca016545 MA16_Dca016546 MA16_Dca016670 MA16_Dca016670 MA16_Dca016893	AP2/ERF71 AP2/ERF72 AP2/ERF73 AP2/ERF74 AP2/ERF75 AP2/ERF76 AP2/ERF77 AP2/ERF78 AP2/ERF79 AP2/ERF80 AP2/ERF81 AP2/ERF82 AP2/ERF83 AP2/ERF83	0.813313663 101.1474977 41.05297535 9.28730265 10.71686787 0.147790711 37.63452567 24.16741549 0.284838926 0.186067442 12.02837085 2.855047831 0.627751807 0.177755151	1.718565317 111.447653 43.37331515 7.403616147 13.40950104 0.27554812 36.16569072 20.65199279 0.495662917 0.1156377 14.35990661 3.131228634 0.468164281 0.773302283	1.956727145 34.68626289 13.07501939 6.410949664 8.152463499 0.304770236 88.77735565 27.28672043 0.078318343 0 12.28791761 5.26421317 0.086302251 0.610936899	0.196871856 34.31249282 13.58103308 4.932534853 6.917707189 0.178872143 143.9720094 20.10937079 0.068948513 0.112599371 8.573696929 3.008304224 0.075977245 0.537845791	2.250897853 41.2953183 20.19853312 6.205884535 5.053120595 0.113616749 120.6995878 19.43475021 0.613130032 0.429128008 11.03795068 3.61507837 0	1.179415145 24.65390036 13.65275995 4.046037266 5.387516255 0 140.5010045 19.2138328 0.066088813 0.32378764 8.273250357 2.64973227 0.072826023 1.031076333
MA16_Dca014326 MA16_Dca014404 MA16_Dca014713 MA16_Dca014976 MA16_Dca015060 MA16_Dca015347 MA16_Dca016047 MA16_Dca016049 MA16_Dca016529 MA16_Dca016530 MA16_Dca016545 MA16_Dca016546 MA16_Dca016670 MA16_Dca016893 MA16_Dca017057	AP2/ERF71 AP2/ERF72 AP2/ERF73 AP2/ERF74 AP2/ERF75 AP2/ERF76 AP2/ERF77 AP2/ERF78 AP2/ERF80 AP2/ERF81 AP2/ERF82 AP2/ERF83 AP2/ERF84 AP2/ERF84	0.813313663 101.1474977 41.05297535 9.28730265 10.71686787 0.147790711 37.63452567 24.16741549 0.284838926 0.186067442 12.02837085 2.855047831 0.627751807 0.177755151 432.8115732	1.718565317 111.447653 43.37331515 7.403616147 13.40950104 0.27554812 36.16569072 20.65199279 0.495662917 0.1156377 14.35990661 3.131228634 0.468164281 0.773302283 450.3933442	1.956727145 34.68626289 13.07501939 6.410949664 8.152463499 0.304770236 88.77735565 27.28672043 0.078318343 0 12.28791761 5.26421317 0.086302251 0.610936899 319.0923426	0.196871856 34.31249282 13.58103308 4.932534853 6.917707189 0.178872143 143.9720094 20.10937079 0.068948513 0.112599371 8.573696929 3.008304224 0.075977245 0.537845791 303.2643492	2.250897853 41.2953183 20.19853312 6.205884535 5.053120595 0.113616749 120.6995878 19.43475021 0.613130032 0.429128008 11.03795068 3.61507837 0 1.161545799 295.1692855	1.179415145 24.65390036 13.65275995 4.046037266 5.387516255 0 140.5010045 19.2138328 0.066088813 0.32378764 8.273250357 2.64973227 0.072826023 1.031076333 273.4414436
MA16_Dca014326 MA16_Dca014404 MA16_Dca014404 MA16_Dca014976 MA16_Dca015060 MA16_Dca015347 MA16_Dca016047 MA16_Dca016049 MA16_Dca016529 MA16_Dca016530 MA16_Dca016545 MA16_Dca016546 MA16_Dca016670 MA16_Dca016893 MA16_Dca017057 MA16_Dca017224	AP2/ERF71 AP2/ERF72 AP2/ERF73 AP2/ERF74 AP2/ERF75 AP2/ERF76 AP2/ERF77 AP2/ERF78 AP2/ERF78 AP2/ERF80 AP2/ERF80 AP2/ERF81 AP2/ERF82 AP2/ERF83 AP2/ERF83 AP2/ERF84 AP2/ERF85 AP2/ERF85	0.813313663 101.1474977 41.05297535 9.28730265 10.71686787 0.147790711 37.63452567 24.16741549 0.284838926 0.186067442 12.02837085 2.855047831 0.627751807 0.177755151 432.8115732 37.25557513	1.718565317 111.447653 43.37331515 7.403616147 13.40950104 0.27554812 36.16569072 20.65199279 0.495662917 0.1156377 14.35990661 3.131228634 0.468164281 0.773302283 450.3933442 41.71492369	1.956727145 34.68626289 13.07501939 6.410949664 8.152463499 0.304770236 88.77735565 27.28672043 0.078318343 0 12.28791761 5.26421317 0.086302251 0.610936899 319.0923426 19.40088309	0.196871856 34.31249282 13.58103308 4.932534853 6.917707189 0.178872143 143.9720094 20.10937079 0.068948513 0.112599371 8.573696929 3.008304224 0.075977245 0.537845791 303.2643492 14.65757839	2.250897853 41.2953183 20.19853312 6.205884535 5.053120595 0.113616749 120.6995878 19.43475021 0.613130032 0.429128008 11.03795068 3.61507837 0 1.161545799 295.1692855 14.75439724	1.179415145 24.65390036 13.65275995 4.046037266 5.387516255 0 140.5010045 19.2138328 0.066088813 0.32378764 8.273250357 2.64973227 0.072826023 1.031076333 273.4414436 12.73993007
MA16_Dca014326 MA16_Dca014404 MA16_Dca014404 MA16_Dca014976 MA16_Dca015060 MA16_Dca015347 MA16_Dca016047 MA16_Dca016049 MA16_Dca016529 MA16_Dca016530 MA16_Dca016545 MA16_Dca016545 MA16_Dca016670 MA16_Dca016670 MA16_Dca017224 MA16_Dca017224 MA16_Dca017496	AP2/ERF71 AP2/ERF72 AP2/ERF73 AP2/ERF74 AP2/ERF75 AP2/ERF76 AP2/ERF77 AP2/ERF78 AP2/ERF80 AP2/ERF81 AP2/ERF82 AP2/ERF83 AP2/ERF84 AP2/ERF85 AP2/ERF86 AP2/ERF86	0.813313663 101.1474977 41.05297535 9.28730265 10.71686787 0.147790711 37.63452567 24.16741549 0.284838926 0.186067442 12.02837085 2.855047831 0.627751807 0.177755151 432.8115732 37.25557513 22.63045266	1.718565317 111.447653 43.37331515 7.403616147 13.40950104 0.27554812 36.16569072 20.65199279 0.495662917 0.1156377 14.35990661 3.131228634 0.468164281 0.773302283 450.3933442 41.71492369 23.41763116	1.956727145 34.68626289 13.07501939 6.410949664 8.152463499 0.304770236 88.77735565 27.28672043 0.078318343 0 12.28791761 5.26421317 0.086302251 0.610936899 319.0923426 19.40088309 86.49023153	0.196871856 34.31249282 13.58103308 4.932534853 6.917707189 0.178872143 143.9720094 20.10937079 0.068948513 0.112599371 8.573696929 3.008304224 0.075977245 0.537845791 303.2643492 14.65757839 45.73961157	2.250897853 41.2953183 20.19853312 6.205884535 5.053120595 0.113616749 120.6995878 19.43475021 0.613130032 0.429128008 11.03795068 3.61507837 0 1.161545799 295.1692855 14.75439724 36.45204023	1.179415145 24.65390036 13.65275995 4.046037266 5.387516255 0 140.5010045 19.2138328 0.066088813 0.32378764 8.273250357 2.64973227 0.072826023 1.031076333 273.4414436 12.73993007 64.75070486
MA16_Dca014326 MA16_Dca014404 MA16_Dca014404 MA16_Dca014976 MA16_Dca015060 MA16_Dca015347 MA16_Dca016047 MA16_Dca016049 MA16_Dca016529 MA16_Dca016530 MA16_Dca016545 MA16_Dca016546 MA16_Dca016546 MA16_Dca016570 MA16_Dca016893 MA16_Dca017057 MA16_Dca017224 MA16_Dca017496 MA16_Dca017496 MA16_Dca018207	AP2/ERF71 AP2/ERF72 AP2/ERF73 AP2/ERF74 AP2/ERF75 AP2/ERF76 AP2/ERF77 AP2/ERF78 AP2/ERF80 AP2/ERF80 AP2/ERF81 AP2/ERF82 AP2/ERF83 AP2/ERF84 AP2/ERF85 AP2/ERF85 AP2/ERF85 AP2/ERF86 AP2/ERF87 AP2/ERF87	0.813313663 101.1474977 41.05297535 9.28730265 10.71686787 0.147790711 37.63452567 24.16741549 0.284838926 0.186067442 12.02837085 2.855047831 0.627751807 0.177755151 432.8115732 37.25557513 22.63045266 0.087376265	1.718565317 111.447653 43.37331515 7.403616147 13.40950104 0.27554812 36.16569072 20.65199279 0.495662917 0.1156377 14.35990661 3.131228634 0.468164281 0.773302283 450.3933442 41.71492369 23.41763116 0.108605678	1.956727145 34.68626289 13.07501939 6.410949664 8.152463499 0.304770236 88.77735565 27.28672043 0.078318343 0 12.28791761 5.26421317 0.086302251 0.610936899 319.0923426 19.40088309 86.49023153 0.840863827	0.196871856 34.31249282 13.58103308 4.932534853 6.917707189 0.178872143 143.9720094 20.10937079 0.068948513 0.112599371 8.573696929 3.008304224 0.075977245 0.537845791 303.2643492 14.65757839 45.73961157 0	2.250897853 41.2953183 20.19853312 6.205884535 5.053120595 0.113616749 120.6995878 19.43475021 0.613130032 0.429128008 11.03795068 3.61507837 0 1.161545799 295.1692855 14.75439724 36.45204023 1.880817801	1.179415145 24.65390036 13.65275995 4.046037266 5.387516255 0 140.5010045 19.2138328 0.066088813 0.32378764 8.273250357 2.64973227 0.072826023 1.031076333 273.4414436 12.73993007 64.75070486 1.115025454
MA16_Dca014326 MA16_Dca014404 MA16_Dca014404 MA16_Dca014976 MA16_Dca015060 MA16_Dca015347 MA16_Dca016047 MA16_Dca016049 MA16_Dca016529 MA16_Dca016530 MA16_Dca016545 MA16_Dca016545 MA16_Dca016670 MA16_Dca016670 MA16_Dca017224 MA16_Dca017224 MA16_Dca017496 MA16_Dca018207 MA16_Dca018529	AP2/ERF71 AP2/ERF72 AP2/ERF73 AP2/ERF74 AP2/ERF75 AP2/ERF76 AP2/ERF77 AP2/ERF78 AP2/ERF80 AP2/ERF81 AP2/ERF81 AP2/ERF83 AP2/ERF83 AP2/ERF84 AP2/ERF85 AP2/ERF85 AP2/ERF86 AP2/ERF87 AP2/ERF87 AP2/ERF888 AP2/ERF889	0.813313663 101.1474977 41.05297535 9.28730265 10.71686787 0.147790711 37.63452567 24.16741549 0.284838926 0.186067442 12.02837085 2.855047831 0.627751807 0.177755151 432.8115732 37.25557513 22.63045266 0.087376265 0.195934655	1.718565317 111.447653 43.37331515 7.403616147 13.40950104 0.27554812 36.16569072 20.65199279 0.495662917 0.1156377 14.35990661 3.131228634 0.468164281 0.773302283 450.3933442 41.71492369 23.41763116 0.108605678 0.208748576	1.956727145 34.68626289 13.07501939 6.410949664 8.152463499 0.304770236 88.77735565 27.28672043 0.078318343 0 12.28791761 5.26421317 0.086302251 0.610936899 319.0923426 19.40088309 86.49023153 0.840863827 0.192405452	0.196871856 34.31249282 13.58103308 4.932534853 6.917707189 0.178872143 143.9720094 20.10937079 0.068948513 0.112599371 8.573696929 3.008304224 0.075977245 0.537845791 303.2643492 14.65757839 45.73961157 0 0.101631899	2.250897853 41.2953183 20.19853312 6.205884535 5.053120595 0.113616749 120.6995878 19.43475021 0.613130032 0.429128008 11.03795068 3.61507837 0 1.161545799 295.1692855 14.75439724 36.45204023 1.880817801 0.172146589	1.179415145 24.65390036 13.65275995 4.046037266 5.387516255 0 140.5010045 19.2138328 0.066088813 0.32378764 8.273250357 2.64973227 0.072826023 1.031076333 273.4414436 12.73993007 64.75070486 1.115025454 0
MA16_Dca014326 MA16_Dca014404 MA16_Dca014713 MA16_Dca014976 MA16_Dca015060 MA16_Dca015347 MA16_Dca016047 MA16_Dca016049 MA16_Dca016529 MA16_Dca016529 MA16_Dca016545 MA16_Dca016546 MA16_Dca016546 MA16_Dca016593 MA16_Dca016593 MA16_Dca01693 MA16_Dca016903 MA16_Dca017057 MA16_Dca017057 MA16_Dca017224 MA16_Dca017496 MA16_Dca018207 MA16_Dca018529 MA16_Dca018529 MA16_Dca018942	AP2/ERF71 AP2/ERF72 AP2/ERF73 AP2/ERF74 AP2/ERF75 AP2/ERF76 AP2/ERF77 AP2/ERF78 AP2/ERF80 AP2/ERF80 AP2/ERF81 AP2/ERF82 AP2/ERF83 AP2/ERF84 AP2/ERF85 AP2/ERF85 AP2/ERF86 AP2/ERF87 AP2/ERF87 AP2/ERF88	0.813313663 101.1474977 41.05297535 9.28730265 10.71686787 0.147790711 37.63452567 24.16741549 0.284838926 0.186067442 12.02837085 2.855047831 0.627751807 0.177755151 432.8115732 37.25557513 22.63045266 0.087376265 0.195934655 16.79439901	1.718565317 111.447653 43.37331515 7.403616147 13.40950104 0.27554812 36.16569072 20.65199279 0.495662917 0.1156377 14.35990661 3.131228634 0.468164281 0.773302283 450.3933442 41.71492369 23.41763116 0.108605678 0.208748576 30.05979488	1.956727145 34.68626289 13.07501939 6.410949664 8.152463499 0.304770236 88.77735565 27.28672043 0.078318343 0 12.28791761 5.26421317 0.086302251 0.610936899 319.0923426 19.40088309 86.49023153 0.840863827 0.192405452 19.39446957	0.196871856 34.31249282 13.58103308 4.932534853 6.917707189 0.178872143 143.9720094 20.10937079 0.068948513 0.112599371 8.573696929 3.008304224 0.075977245 0.537845791 303.2643492 14.65757839 45.73961157 0 0.101631899 5.894650168	2.250897853 41.2953183 20.19853312 6.205884535 5.053120595 0.113616749 120.6995878 19.43475021 0.613130032 0.429128008 11.03795068 3.61507837 0 1.161545799 295.1692855 14.75439724 36.45204023 1.880817801 0.172146589 6.713716973	1.179415145 24.65390036 13.65275995 4.046037266 5.387516255 0 140.5010045 19.2138328 0.066088813 0.32378764 8.273250357 2.64973227 0.072826023 1.031076333 273.4414436 12.73993007 64.75070486 1.115025454 0 0.974166276
MA16_Dca014326 MA16_Dca014404 MA16_Dca014404 MA16_Dca014976 MA16_Dca015060 MA16_Dca015347 MA16_Dca016049 MA16_Dca016049 MA16_Dca016529 MA16_Dca016530 MA16_Dca016545 MA16_Dca016545 MA16_Dca016546 MA16_Dca016670 MA16_Dca016670 MA16_Dca017057 MA16_Dca017224 MA16_Dca017224 MA16_Dca017224 MA16_Dca018529 MA16_Dca018529 MA16_Dca018529 MA16_Dca018942 MA16_Dca018942	AP2/ERF71 AP2/ERF72 AP2/ERF73 AP2/ERF74 AP2/ERF75 AP2/ERF76 AP2/ERF77 AP2/ERF78 AP2/ERF80 AP2/ERF80 AP2/ERF81 AP2/ERF82 AP2/ERF83 AP2/ERF84 AP2/ERF85 AP2/ERF85 AP2/ERF86 AP2/ERF87 AP2/ERF87 AP2/ERF89 AP2/ERF89 AP2/ERF89	0.813313663 101.1474977 41.05297535 9.28730265 10.71686787 0.147790711 37.63452567 24.16741549 0.284838926 0.186067442 12.02837085 2.855047831 0.627751807 0.177755151 432.8115732 37.25557513 22.63045266 0.087376265 0.195934655 16.79439901 14.32970748	1.718565317 111.447653 43.37331515 7.403616147 13.40950104 0.27554812 36.16569072 20.65199279 0.495662917 0.1156377 14.35990661 3.131228634 0.468164281 0.773302283 450.3933442 41.71492369 23.41763116 0.108605678 0.208748576 30.05979488 14.66176651	1.956727145 34.68626289 13.07501939 6.410949664 8.152463499 0.304770236 88.77735565 27.28672043 0.078318343 0 12.28791761 5.26421317 0.086302251 0.610936899 319.0923426 19.40088309 86.49023153 0.840863827 0.192405452 19.39446957 8.408638272	0.196871856 34.31249282 13.58103308 4.932534853 6.917707189 0.178872143 143.9720094 20.10937079 0.068948513 0.112599371 8.573696929 3.008304224 0.075977245 0.537845791 303.2643492 14.65757839 45.73961157 0 0.101631899 5.894650168 11.26259988	2.250897853 41.2953183 20.19853312 6.205884535 5.053120595 0.113616749 120.6995878 19.43475021 0.613130032 0.429128008 11.03795068 3.61507837 0 1.161545799 295.1692855 14.75439724 36.45204023 1.880817801 0.172146589 6.713716973 10.00863758	1.179415145 24.65390036 13.65275995 4.046037266 5.387516255 0 140.5010045 19.2138328 0.066088813 0.32378764 8.273250357 2.64973227 0.072826023 1.031076333 273.4414436 12.73993007 64.75070486 1.115025454 0 0.974166276 8.210641976

MA16_Dca020230	AP2/ERF94	7.090131966	6.928293241	6.620870647	5.343034272	7.198992271	6.466448555
MA16_Dca020428	AP2/ERF95	164.8134167	171.731705	308.5172905	233.1365073	270.4654938	210.9434241
MA16_Dca020530	AP2/ERF96	4.750415719	3.389679251	1.814108549	2.02295876	1.623096411	1.020555146
MA16_Dca020701	AP2/ERF97	2.368675384	1.114014676	1.232156895	3.33171504	3.248201605	1.633898684
MA16_Dca020702	AP2/ERF98	7.0420079	5.331355948	3.080392238	5.888612629	5.9058211	3.044993003
MA16_Dca021371	AP2/ERF99	0.69632162	0.370930161	2.666739566	2.949670435	0.841200928	2.423425951
MA16_Dca021421	AP2/ERF100	3.045506051	3.144842671	0.193241998	4.253074053	6.411524863	4.131029743
MA16_Dca021484	AP2/ERF101	0.333004821	0.965798131	0.076301561	0.470211106	0.341337872	0.772643467
MA16_Dca021629	AP2/ERF102	21.82222221	20.71992697	7.152973316	7.947932136	11.33948411	6.915058423
MA16_Dca021721	AP2/ERF103	76.59831258	73.96719439	6.345633973	22.80751735	32.72765639	14.86939816
MA16_Dca021730	AP2/ERF104	0	0	0	0	0	0
MA16_Dca022261	AP2/ERF105	21.18457306	20.27378754	6.879026687	15.33671327	12.08962138	9.197304517
MA16_Dca022373	AP2/ERF106	0.350557786	0.629389531	1.445822656	0	0.059888346	0.045187231
MA16_Dca022576	AP2/ERF107	2.732985446	3.065591195	1.191326954	2.258952322	3.382148063	2.62924465
MA16_Dca022999	AP2/ERF108	0	0	0	0	0	0
MA16_Dca023270	AP2/ERF109	0.555008036	0.413913485	0.991920296	1.343460302	1.024013616	0.708256511
MA16_Dca023272	AP2/ERF110	1.626140311	0.866244089	1.064566693	1.030924776	2.143070411	0.898332973
MA16_Dca023523	AP2/ERF111	56.34309495	58.40947558	64.40043834	75.57041054	72.29743116	85.65306823
MA16_Dca024190	AP2/ERF112	0.07790173	0.484145793	0	0	0.119776693	0
MA16_Dca024506	AP2/ERF113	5.02201446	4.291505911	0.086302251	2.507249092	1.351267158	1.966302609
MA16_Dca024926	AP2/ERF114	18.31989025	16.00666682	50.29767126	35.67194977	35.78927586	40.56834275
MA16_Dca024988	AP2/ERF115	8.621124823	8.602793411	12.68683612	6.907152002	6.814337867	8.487137831
MA16_Dca025176	AP2/ERF116	0	0	0	0	0	0
MA16_Dca025483	AP2/ERF117	2.604298124	2.00920504	4.197645614	4.130207469	3.175745929	3.750540162
MA16_Dca025501	AP2/ERF118	103.4147802	102.6017999	36.94046425	30.69344221	31.07452096	32.74423686
MA16_Dca025668	AP2/ERF119	0.61579463	1.148117166	0.507950394	0.894360715	0.662764368	0.714388602
MA16_Dca025795	AP2/ERF120	0.047542968	0	0.261445056	0	0	0.055155002
MA16_Dca026159	AP2/ERF121	0	0	0.026855383	0.070927398	0	0
MA16_Dca026998	AP2/ERF122	0.071053227	0.264950115	0	0.085996223	0.218493748	0.082429454
MA16_Dca027453	AP2/ERF123	1.436854137	0.85045716	0	0.662489419	0.841605546	0.476259068
MA16_Dca028380	AP2/ERF124	29.12024385	34.29043268	42.53614222	33.62133799	32.54909451	24.22571127
MA16_Dca028782	AP2/ERF125	0.248686293	0.206072312	0.113963229	0.100328926	0.764728117	0.192335393