

Dataset S1. SDX differentially expressed TFs

Gene model ID (v3)	Gene model ID (v2)	Assigned name	TF family	Normalized reads (Count per million, CPM)			
				Xylem	Phloem	Leaves	Shoot
Potri.001G055900	POPTR_0001s13890		SBP	29.36	16.15	7.42	17.01
Potri.001G057800	POPTR_0001s13700		CAMTA	34.49	19.96	19.24	16.67
Potri.001G092900	POPTR_0001s10490		WRKY	4.77	1.74	1.67	1.93
Potri.001G099800	POPTR_0001s09810	MYB010	MYB	157.90	2.74	0.46	0.51
Potri.001G112200	POPTR_0001s08550		TALE	197.34	6.18	43.75	5.78
Potri.001G118800	POPTR_0001s07830	MYB092	MYB	111.32	1.42	0.68	1.20
Potri.001G120000	POPTR_0001s00220	VND6-B2	NAC	5.66	0.49	2.23	1.32
Potri.001G121300	POPTR_0001s00350		WRKY	7.01	0.07	0.70	0.00
Potri.001G139900	POPTR_0001s02240	MYB149	MYB	3.55	1.13	0.08	0.05
Potri.001G150600	POPTR_0001s15070		Trihelix	22.95	5.44	13.17	10.95
Potri.001G157700	POPTR_0001s15790		C2H2	14.52	4.53	3.17	5.82
Potri.001G188800	POPTR_0001s18930		HD-ZIP	443.67	103.21	26.82	79.01
Potri.001G235500	POPTR_0001s24220		MYB	40.26	0.91	0.94	0.42
Potri.001G241600	POPTR_0001s24840		MYB_related	23.73	8.17	8.35	13.03
Potri.001G258400	POPTR_0001s26560		C3H	12.71	1.10	0.20	0.10
Potri.001G258700	POPTR_0001s26590	MYB002	MYB	13.29	0.17	1.10	0.54
Potri.001G267300	POPTR_0001s27430	MYB003	MYB	13.52	0.50	0.47	0.31
Potri.001G268200			C3H	27.95	13.27	11.02	9.97
Potri.001G276800	POPTR_0001s28350		HB-other	17.65	10.70	8.77	8.46
Potri.001G292700	POPTR_0001s30000		MYB_related	38.75	22.10	12.52	17.42
Potri.001G361600	POPTR_0001s37260		WRKY	71.54	31.31	22.16	22.53
Potri.001G372300	POPTR_0001s38120		HD-ZIP	227.76	96.26	41.44	67.17
Potri.001G404400	POPTR_0001s41490	PNAC101	NAC	9.61	0.43	0.04	0.40
Potri.001G410600	POPTR_0001s43950		bHLH	7.96	0.09	1.19	3.67
Potri.001G448400	POPTR_0001s45250	SND1_A2	NAC	125.73	10.49	1.29	2.45
Potri.001G472800	POPTR_0001s47670		WRKY	267.83	44.84	18.66	19.95
Potri.002G008800	POPTR_0002s00980	WOX13	WOX	320.90	17.32	7.20	6.86
Potri.002G024700	POPTR_0002s02630		ARF	37.42	8.92	4.80	5.55
Potri.002G031000	POPTR_0002s03240		TALE	61.32	1.39	1.27	1.48
Potri.002G041700	POPTR_0002s04260		C2H2	5.29	0.07	0.00	0.09
Potri.002G045800	POPTR_0002s04660		bZIP	25.07	14.98	10.93	12.29
Potri.002G073400	POPTR_0002s07430		GRAS	64.53	26.46	17.66	13.87
Potri.002G073500	POPTR_0002s07440	MYB189	MYB	20.17	0.41	0.00	0.00
Potri.002G096800	POPTR_0002s09720	MYB109	MYB	8.88	0.61	0.33	0.10
Potri.002G113400	POPTR_0002s11410		HD-ZIP	37.88	15.71	0.32	8.45
Potri.002G124000	POPTR_0002s12550		ERF	3.03	0.60	0.23	0.27
Potri.002G138900	POPTR_0002s13980		WRKY	56.57	0.26	0.07	0.28

Potri.002G149000	POPTR_0002s15000		LBD	11.40	0.24	2.13	0.92
Potri.002G168900	POPTR_0002s17030		MYB_related	27.88	4.70	11.38	10.96
Potri.002G178700	POPTR_0002s17950	SND1_B2	NAC	19.82	5.80	0.68	0.84
Potri.002G195300	POPTR_0002s19630		WRKY	30.77	11.51	9.77	3.43
Potri.002G214500			CO-like	53.58	23.74	5.89	8.31
Potri.002G235400	POPTR_0002s23650		bHLH	38.91	14.18	14.25	6.30
Potri.002G239300	POPTR_0002s24030		FAR1	11.66	5.24	5.54	3.42
Potri.002G239400	POPTR_0002s24040		FAR1	33.38	10.59	9.54	9.78
Potri.002G246100	POPTR_0002s24750		ERF	61.65	9.35	34.03	15.46
Potri.002G248500	POPTR_0002s24990		bHLH	62.46	29.21	2.28	4.99
Potri.002G257800	POPTR_0002s25960		G2-like	49.10	17.29	14.77	14.98
Potri.003G050100	POPTR_0003s04860		HD-ZIP	234.66	69.98	15.45	58.39
Potri.003G065400	POPTR_0003s06380		GRAS	9.00	0.19	0.19	0.22
Potri.003G077200	POPTR_0003s07490		C2H2	19.93	9.10	8.57	10.25
Potri.003G083800	POPTR_0003s08210		Trihelix	16.41	6.58	5.70	5.39
Potri.003G087700	POPTR_0003s08600		ARR-B	35.43	10.60	7.36	20.46
Potri.003G090300	POPTR_0003s08890		LSD	84.83	13.15	22.40	36.80
Potri.003G097600	POPTR_0003s09630		bZIP	32.42	16.78	19.38	17.61
Potri.003G100800	POPTR_0003s10000		GRF	12.18	1.42	3.16	6.39
Potri.003G113000	POPTR_0003s11250	VND6-B1	NAC	22.30	1.13	2.77	1.82
Potri.003G114100	POPTR_0003s11360	MYB125	MYB	94.87	2.29	0.51	1.05
Potri.003G121200	POPTR_0003s12120		ERF	0.35	0.02	0.03	0.00
Potri.003G132000	POPTR_0003s13190	MYB128	MYB	224.87	4.84	0.32	1.12
Potri.003G142100	POPTR_0003s14200		ARF	53.00	27.89	21.49	14.72
Potri.003G147200			HD-ZIP	0.90	0.05	0.09	0.09
Potri.003G167900	POPTR_0003s16630		TCP	25.61	7.58	13.08	5.27
Potri.003G195300	POPTR_0003s19470		Trihelix	130.13	64.36	6.88	28.19
Potri.003G204400	POPTR_0003s20320		bZIP	34.78	11.04	15.31	6.16
Potri.003G212500			MYB_related	21.13	2.25	1.76	2.09
Potri.004G048700	POPTR_0004s04840		HB-other	35.39	10.55	17.65	16.93
Potri.004G049300	POPTR_0004s04900	SND2/3-A1	NAC	39.71	2.15	3.49	2.99
Potri.004G050200	POPTR_0004s04970		ARF	226.46	49.93	12.07	34.12
Potri.004G071600	POPTR_0004s06870		GRAS	16.72	7.38	3.47	6.92
Potri.004G078800	POPTR_0004s07700		GRAS	79.94	22.66	16.78	19.01
Potri.004G086300	POPTR_0004s08480	MYB018	MYB	6.11	1.12	1.65	2.29
Potri.004G095100	POPTR_0004s09420		C3H	119.28	4.23	0.61	0.68
Potri.004G118100	POPTR_0004s11730		C2H2	6.14	0.31	0.43	0.35
Potri.004G159300	POPTR_0004s16660		TALE	124.77	28.32	15.92	25.65
Potri.004G161000			DBB	6.94	0.43	0.72	0.24
Potri.004G203400	POPTR_0004s21360		bZIP	63.84	20.90	3.06	1.81
Potri.004G211800	POPTR_0004s22140		GATA	74.60	19.68	34.64	23.08

Potri.005G001600	POPTR_0005s00340	MYB170	MYB	67.86	33.36	5.61	12.21
Potri.005G029000	POPTR_0005s02870		MYB_related	12.91	4.53	5.65	5.28
Potri.005G053500	POPTR_0005s05500		bHLH	28.70	1.61	2.19	2.23
Potri.005G063200	POPTR_0005s06410	MYB026	MYB	45.13	0.92	0.06	0.08
Potri.005G086400	POPTR_0005s08860		WRKY	38.61	12.53	2.35	9.63
Potri.005G096600	POPTR_0005s09930	MYB028	MYB	4.63	1.72	0.23	0.00
Potri.005G101000	POPTR_0005s10400		Nin-like	5.78	1.36	2.13	1.24
Potri.005G114700	POPTR_0005s11680		WOX	1.47	0.12	0.09	0.11
Potri.005G116800	POPTR_0005s11870	VND6-C2	NAC	15.75	0.40	3.36	1.54
Potri.005G134900	POPTR_0005s14150		LBD	3.17	0.00	0.04	0.10
Potri.005G171300	POPTR_0005s16320		ARF	12.01	3.16	5.69	7.08
Potri.005G182900	POPTR_0005s20550		C3H	15.30	2.55	3.67	3.61
Potri.005G186400	POPTR_0005s20870	MYB158	MYB	18.79	0.28	0.07	0.07
Potri.005G217800	POPTR_0005s23930		bHLH	87.76	38.73	18.43	28.10
Potri.005G221400	POPTR_0005s24280		C2H2	2.03	0.00	0.00	0.03
Potri.005G243400	POPTR_0005s26480		bZIP	21.20	6.65	0.30	6.33
Potri.006G049200	POPTR_0006s04770		HSF	49.83	1.56	0.57	4.68
Potri.006G049700	POPTR_0006s04820		AP2	51.06	12.60	3.06	15.92
Potri.006G053500	POPTR_0006s05210		NF-YA	3.89	1.38	0.18	0.35
Potri.006G075500	POPTR_0006s07520		HB-PHD	11.74	4.22	3.78	4.39
Potri.006G108300	POPTR_0006s10880		B3	67.77	8.85	10.15	9.28
Potri.006G115200	POPTR_0006s11630		GRF	11.28	0.31	0.53	2.65
Potri.006G152700	POPTR_0006s15740	SND2/3-L-1	NAC	57.44	8.43	4.47	3.42
Potri.006G184800			WRKY	17.40	9.46	6.42	4.65
Potri.006G201900	POPTR_0006s21640		NF-YA	34.58	4.37	6.64	1.30
Potri.006G226800	POPTR_0006s24330		HSF	20.04	5.76	7.90	6.48
Potri.006G237700	POPTR_0006s25410		GATA	15.17	3.77	3.64	3.75
Potri.007G008200	POPTR_0007s14590		HD-ZIP	52.99	21.66	9.80	26.05
Potri.007G014400	POPTR_0007s13910	VND6-C1	NAC	111.49	1.91	3.21	1.99
Potri.007G016000			C3H	28.11	5.52	12.94	11.01
Potri.007G032700	POPTR_0007s12170		TALE	126.06	1.82	55.34	0.82
Potri.007G039500	POPTR_0007s11460		LBD	10.98	0.19	0.12	0.07
Potri.007G078200	POPTR_0007s06930		WRKY	20.42	11.17	2.60	6.60
Potri.007G097600	POPTR_0007s04950		bHLH	13.96	3.80	0.12	2.12
Potri.007G106100	POPTR_0007s04140	MYB031	MYB	97.11	1.78	0.17	0.34
Potri.007G134500	POPTR_0007s01430	MYB161	MYB	16.89	0.97	0.18	0.19
Potri.007G135300	POPTR_0007s01350	SND2/3-B1	NAC	206.65	7.39	3.73	3.78
Potri.007G135500	POPTR_0007s01330		HB-other	29.82	8.17	13.43	12.43
Potri.008G018400	POPTR_0008s01930		bZIP	53.80	5.81	4.14	1.81
Potri.008G027000	POPTR_0008s02730		Trihelix	13.94	6.84	6.55	6.32
Potri.008G086000	POPTR_0008s08560		ZF-HD	1.38	0.00	0.11	0.47

Potri.008G117500	POPTR_0008s11630		G2-like	17.28	1.03	1.27	0.24
Potri.008G140200	POPTR_0008s13960		BBR-BPC	42.20	24.12	17.25	20.32
Potri.008G179700	POPTR_0008s17980		Trihelix	34.75	15.18	16.10	12.18
Potri.008G197000	POPTR_0008s20160		SBP	306.85	21.21	23.99	22.36
Potri.009G014800	POPTR_0009s02020		ARF	20.78	4.82	7.39	11.82
Potri.009G018500	POPTR_0009s02360		bZIP	16.71	6.94	6.50	4.98
Potri.009G027300	POPTR_0009s03240	MYB023	MYB	61.33	5.23	5.69	2.17
Potri.009G035000	POPTR_0009s03990		G2-like	6.16	2.40	2.58	2.01
Potri.009G045900	POPTR_0009s05050		M-type	3.17	0.02	0.01	0.00
Potri.009G053900	POPTR_0009s05860	MYB021	MYB	56.89	2.01	1.40	0.93
Potri.009G060600	POPTR_0009s06540		NF-YA	82.75	28.89	26.65	6.36
Potri.009G061500	POPTR_0009s06630	MYB020	MYB	4.22	1.06	1.12	0.81
Potri.009G062600	POPTR_0009s06730		C3H	18.23	9.20	8.25	6.58
Potri.009G084100	POPTR_0009s08740		M-type	1.98	0.69	0.00	0.00
Potri.009G120800	POPTR_0009s12360		TALE	131.80	38.49	26.67	24.94
Potri.009G161900	POPTR_0009s16350		E2F/DP	10.57	5.21	5.31	4.87
Potri.009G164300	POPTR_0009s16590		bZIP	17.61	4.94	0.24	0.84
Potri.010G004300			MYB	39.62	4.19	1.16	1.62
Potri.010G020900			MYB_related	13.56	6.44	6.80	5.95
Potri.010G118700	POPTR_0010s12860		C3H	18.96	0.60	0.03	0.18
Potri.010G128900	POPTR_0010s13900		G2-like	12.62	2.73	1.28	0.83
Potri.010G130000	POPTR_0010s14010		bHLH	59.91	12.06	10.49	7.66
Potri.010G135200	POPTR_0010s14530		bZIP	12.65	0.19	0.46	4.98
Potri.010G154100	POPTR_0010s16380		MIKC	4.89	0.14	0.10	0.03
Potri.010G188700	POPTR_0010s19600		NF-X1	31.32	8.37	12.71	10.52
Potri.010G209400	POPTR_0010s21650		C2H2	15.60	0.58	0.25	0.29
Potri.010G216200	POPTR_0010s22320		AP2	75.66	5.46	3.07	3.67
Potri.010G223300	POPTR_0010s23010		GATA	98.24	17.29	54.15	33.91
Potri.010G233500	POPTR_0010s23970		Trihelix	19.30	5.88	7.20	4.93
Potri.011G043600			B3	19.24	5.56	3.46	3.87
Potri.011G058400	POPTR_0011s05740	SND2/3-A2	NAC	57.80	2.37	2.71	2.80
Potri.011G058600	POPTR_0011s05760	PNAC102	NAC	0.50	0.07	0.00	0.00
Potri.011G061800	POPTR_0011s06020		ERF	0.30	0.02	0.00	0.00
Potri.011G065500			bHLH	3.63	0.05	0.40	0.20
Potri.011G087900	POPTR_0011s09030		WRKY	19.99	8.73	4.38	3.57
Potri.011G098300	POPTR_0011s10070		HD-ZIP	112.73	59.19	22.16	35.79
Potri.011G153300	POPTR_0011s15640	SND1_A1	NAC	150.31	14.48	1.44	2.98
Potri.011G169300	POPTR_0011s17230		WRKY	33.15	18.53	16.63	14.88
Potri.012G023900	POPTR_0012s03100	PNAC140	NAC	0.88	0.05	0.05	0.00
Potri.012G039400	POPTR_0012s03650	MYB167	MYB	24.27	0.15	0.13	0.17
Potri.012G084100	POPTR_0012s08600	MYB148	MYB	14.12	2.82	2.43	1.65

Potri.012G100700	POPTR_0012s10260		SBP	33.29	14.63	0.89	15.02
Potri.012G106100	POPTR_0012s10790		ARF	180.38	95.69	69.79	58.31
Potri.012G126500	POPTR_0012s14660	VND6-A2	NAC	15.59	0.26	1.71	0.94
Potri.012G127700	POPTR_0012s14540	MYB199	MYB	211.29	16.74	5.09	16.14
Potri.012G134800	POPTR_0012s13800		C3H	34.59	17.01	16.36	16.49
Potri.013G041000			bHLH	42.42	0.31	0.39	1.70
Potri.013G056700	POPTR_0013s05330		ERF	3.00	0.19	0.49	0.28
Potri.013G081200	POPTR_0013s08040		LBD	23.05	0.05	5.46	4.84
Potri.013G109300	POPTR_0013s11360	MYB180	MYB	44.99	15.22	11.67	29.19
Potri.013G114900	POPTR_0013s11930		GRAS	14.61	3.03	0.23	0.85
Potri.013G123100	POPTR_0013s12690		VOZ	10.38	6.04	3.42	3.82
Potri.013G126800	POPTR_0013s13050		bHLH	25.43	12.01	3.87	10.53
Potri.013G149100	POPTR_0013s14550	MYB048	MYB	1.23	0.02	0.19	0.00
Potri.013G156200	POPTR_0013s15220		LBD	49.07	0.19	0.68	0.62
Potri.013G156900	POPTR_0013s15280		bZIP	29.89	15.16	15.95	18.35
Potri.014G004900	POPTR_0014s01010		MYB_related	23.08	12.30	7.64	7.45
Potri.014G050000	POPTR_0014s04890		WRKY	69.80	0.84	1.66	14.74
Potri.014G066100	POPTR_0014s06150		C2H2	27.56	3.84	1.39	1.94
Potri.014G070400	POPTR_0014s06600		LBD	7.40	0.07	2.71	3.05
Potri.014G076000	POPTR_0014s07210	PNAC030	NAC	3.94	0.37	0.00	0.23
Potri.014G077200	POPTR_0014s07320		ARR-B	4.12	0.68	0.94	1.09
Potri.014G094200	POPTR_0014s08990		bZIP	24.51	11.32	12.88	16.09
Potri.014G104800	POPTR_0014s10060	SND1_B1	NAC	16.63	4.01	0.21	2.14
Potri.014G146200	POPTR_0014s14320		C2H2	83.84	14.81	46.50	45.16
Potri.014G167000	POPTR_0014s16500		FAR1	25.33	8.50	7.51	7.15
Potri.015G033600	POPTR_0015s05130	MYB090	MYB	80.10	1.68	0.52	0.39
Potri.015G054500	POPTR_0015s06470		ERF	14.92	6.17	1.45	3.87
Potri.015G082700	POPTR_0015s09430	MYB074	MYB	40.20	4.02	0.38	2.13
Potri.015G127400	POPTR_0015s14770	VND6-A1	NAC	5.76	0.66	1.11	1.09
Potri.015G129100	POPTR_0015s14600	MYB075	MYB	61.29	1.62	1.41	4.49
Potri.016G018600	POPTR_0016s02010		ERF	6.94	0.05	0.06	0.03
Potri.016G054100	POPTR_0016s05440		NF-YA	0.85	0.05	0.00	0.00
Potri.016G056500	POPTR_0016s05680		HSF	49.61	1.75	1.00	4.26
Potri.016G136500	POPTR_0016s14350		B3	45.82	4.80	4.72	4.92
Potri.017G016200	POPTR_0017s04760		HB-other	83.97	13.52	15.89	13.69
Potri.017G016700	POPTR_0017s04800	SND2/3-B2	NAC	301.51	8.85	4.15	4.21
Potri.017G091800	POPTR_0017s12740		C2H2	13.07	0.56	0.88	0.52
Potri.017G091900	POPTR_0017s12750		MYB_related	38.80	19.99	22.06	24.56
Potri.017G106700	POPTR_0017s14490		bZIP	5.93	0.19	0.01	1.73
Potri.017G119900	POPTR_0005s15100		C3H	124.85	5.77	1.51	1.46
Potri.017G130300	POPTR_0017s02850	MYB152	MYB	23.51	1.43	3.81	6.01

Potri.018G063000	POPTR_0018s07420		ARF	16.78	5.32	6.67	4.65
Potri.018G068700	POPTR_0018s06790	SND2/3-L-2	NAC	54.13	1.82	2.68	2.41
Potri.018G139300	POPTR_0018s13600		WRKY	43.19	20.51	22.30	12.90
Potri.018G142400	POPTR_0018s13920		HB-PHD	7.13	2.15	2.52	2.35
Potri.019G081500	POPTR_0019s11090	MYB168	MYB	11.97	0.64	1.99	0.74
Potri.019G085600	POPTR_0019s11540		GRAS	2.13	0.12	0.21	0.19
Potri.019G130000	POPTR_0019s15040		bZIP	29.22	13.52	11.37	14.57
Potri.T074200			NAC	40.72	18.18	9.15	9.52