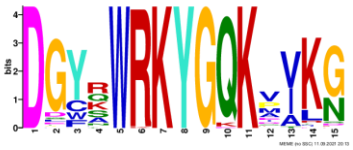
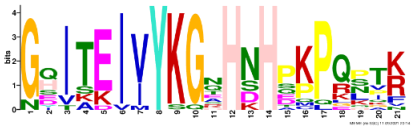
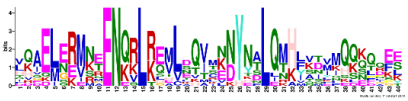
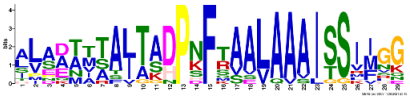
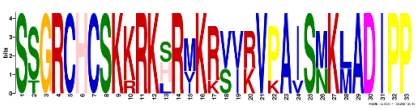
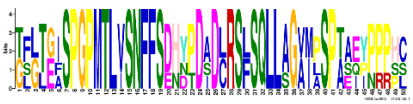
Table S1 TKS WRKY genes and legends.

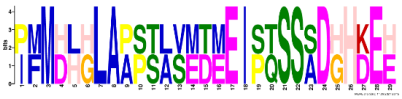
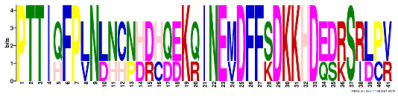
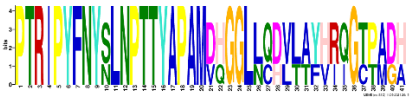
Protein name	Accession number	Group	pI(isoelectric point)	Molecular weight	Amino acid	Aliphatic index	Instability index	GRAVY	Subcellular localization
TkWRKY1	GWHPAAAA001298	II-e	6.09	55473.21	502	65.08	54.52	-0.62	Mitochondrion
TkWRKY2	GWHPAAAA001365	I	9.5	39669.16	355	69.38	41.28	-0.734	Nucleus
TkWRKY3	GWHPAAAA001899	II-c	6.26	31221.02	280	59.25	52.62	-0.641	Nucleus
TkWRKY4	GWHPAAAA002041	II-c	5.4	40024.98	363	53.17	63.47	-0.934	Nucleus
TkWRKY5	GWHPAAAA003686	II-b	6.99	53916.69	495	64.26	47.28	-0.708	Nucleus
TkWRKY6	GWHPAAAA004870	II-e	9.78	29421.19	274	62.3	53.64	-0.501	Nucleus
TkWRKY7	GWHPAAAA005167	II-d	9.68	38246.18	343	69.39	47.4	-0.799	Nucleus
TkWRKY8	GWHPAAAA005780	II-e	10.07	7743.15	67	58.21	49.58	-0.918	Nucleus
TkWRKY9	GWHPAAAA008417	II-e	9.39	14609.24	128	38.05	63.2	-1.207	Nucleus
TkWRKY10	GWHPAAAA008486	III	5.58	37007.24	325	62.65	63.62	-0.794	Nucleus
TkWRKY11	GWHPAAAA008502	I	6.51	34672.21	311	72.67	52.77	-0.622	Nucleus
TkWRKY12	GWHPAAAA008804	II-b	5.97	56293.68	515	70.12	39.47	-0.597	Nucleus
TkWRKY13	GWHPAAAA008866	I	9.13	25773.12	224	66.38	53.55	-0.823	Nucleus
TkWRKY14	GWHPAAAA008929	II-b	8.71	48320.03	437	61.62	57.08	-0.765	Nucleus
TkWRKY15	GWHPAAAA009771	III	6.04	34194.88	304	67.63	53.71	-0.647	Nucleus
TkWRKY16	GWHPAAAA010357	II-c	9.77	8944.06	75	40.13	37.54	-1.361	Nucleus
TkWRKY17	GWHPAAAA010789	II-b	7.73	57932.3	532	67.71	43.52	-0.636	Nucleus
TkWRKY18	GWHPAAAA011100	I	6.24	54327.16	491	44.89	50.92	-0.979	Nucleus
TkWRKY19	GWHPAAAA012630	II-b	6.8	60183.92	552	62.45	62.24	-0.687	Nucleus
TkWRKY20	GWHPAAAA012956	II-c	5.39	41648.12	362	78.65	50.56	-0.52	Nucleus
TkWRKY21	GWHPAAAA013629	II-b	7.6	60587.07	556	55.63	48.55	-0.784	Nucleus
TkWRKY22	GWHPAAAA014488	II-d	9.69	37328.3	335	68.69	53.23	-0.749	Nucleus
TkWRKY23	GWHPAAAA014696	II-c	5.12	33974.43	305	54	61.36	-1.032	Nucleus
TkWRKY24	GWHPAAAA015131	II-c	6.58	24626.42	213	49.86	38.32	-0.881	Nucleus
TkWRKY25	GWHPAAAA016783	I	6.96	53981.32	481	52.66	58.18	-0.965	Nucleus
TkWRKY26	GWHPAAAA017465	II-b	5.94	57060.31	526	66.12	47.06	-0.635	Nucleus
TkWRKY27	GWHPAAAA018006	III	8.81	31061.44	281	73.17	63.92	-0.449	Nucleus
TkWRKY28	GWHPAAAA018231	II-c	9.21	21926.23	193	53.47	41.05	-1.045	Nucleus
TkWRKY29	GWHPAAAA018450	I	7.22	53191.52	475	52.51	52.67	-0.98	Nucleus
TkWRKY30	GWHPAAAA018833	II-c	9.32	20486.79	181	58.23	40.98	-0.887	Nucleus
TkWRKY31	GWHPAAAA018955	I	7.38	54953.3	504	50.67	55.94	-0.918	Nucleus
TkWRKY32	GWHPAAAA019110	III	6.07	30136.95	264	69.39	53.89	-0.716	Nucleus
TkWRKY33	GWHPAAAA019111	III	9.6	42014.17	371	64.72	54.28	-0.772	Nucleus
TkWRKY34	GWHPAAAA019406	II-b	8.19	48299.75	436	56.38	48.25	-0.746	Nucleus
TkWRKY35	GWHPAAAA020203	I	7.37	55103.44	496	53.23	43.82	-0.996	Nucleus
TkWRKY36	GWHPAAAA022971	I	9.23	39159.9	352	58.95	52.84	-0.924	Nucleus
TkWRKY37	GWHPAAAA024558	II-e	9.94	12003.34	106	40.38	62.27	-1.354	Nucleus
TkWRKY38	GWHPAAAA024882	I	6.95	58043.72	520	54.19	62.87	-0.915	Nucleus
TkWRKY39	GWHPAAAA024953	III	6.05	37454.9	337	62.52	57.98	-0.747	Nucleus
TkWRKY40	GWHPAAAA025085	II-b	6.12	62383.85	576	60.87	54.99	-0.694	Nucleus
TkWRKY41	GWHPAAAA025108	II-c	6.08	20876.11	184	51.9	42.14	-0.872	Nucleus

TkWRKY42	GWHPAAAA026343	I	5.81	75095.86	676	56.21	48.73	-0.897	Nucleus
TkWRKY43	GWHPAAAA026852	III	5.71	36819.05	324	62.84	62.84	-0.8	Nucleus
TkWRKY44	GWHPAAAA027845	I	9.51	39709.23	355	70.48	43.24	-0.721	Nucleus
TkWRKY45	GWHPAAAA028118	III	9.01	30354.31	265	74.6	49.89	-0.65	Nucleus
TkWRKY46	GWHPAAAA028318	II-c	8.7	30508.12	276	52.97	68.4	-0.6	Nucleus
TkWRKY47	GWHPAAAA028692	I	5.78	28812.42	261	69.08	49.38	-0.644	Nucleus
TkWRKY48	GWHPAAAA028846	I	6.18	71785.26	655	45.25	56.08	-1.005	Nucleus
TkWRKY49	GWHPAAAA029779	II-c	6.39	32822.05	292	59.49	52.81	-0.632	Nucleus
TkWRKY50	GWHPAAAA029797	II-e	5.36	24552.93	221	50.68	47.2	-0.784	Nucleus
TkWRKY51	GWHPAAAA030787	II-d	9.73	37286.05	345	65.07	46.33	-0.507	Nucleus
TkWRKY52	GWHPAAAA031944	II-a	6.1	29439.1	259	71.47	48.54	-0.782	Nucleus
TkWRKY53	GWHPAAAA032696	II-b	5.73	55035.11	494	63.18	57.35	-0.843	Nucleus
TkWRKY54	GWHPAAAA033671	none	4.88	17926.68	162	49.32	46.63	-0.89	Nucleus
TkWRKY55	GWHPAAAA034498	II-c	7.86	20010.4	179	71.28	45.56	-0.703	Nucleus
TkWRKY56	GWHPAAAA034566	II-d	9.56	34565.25	318	66.86	52	-0.574	Nucleus
TkWRKY57	GWHPAAAA034574	II-c	9.44	23142.24	199	58.29	47.48	-0.879	Nucleus
TkWRKY58	GWHPAAAA035988	II-c	6.3	20402.44	179	52.79	50.41	-0.991	Nucleus
TkWRKY59	GWHPAAAA036147	III	5.31	25236.83	224	70.04	41.96	-0.703	Nucleus
TkWRKY60	GWHPAAAA036334	III	5.27	16835.05	150	77.27	34.28	-0.546	Nucleus
TkWRKY61	GWHPAAAA036496	II-c	9.08	23805.67	211	66.45	44.62	-0.84	Nucleus
TkWRKY62	GWHPAAAA036499	II-e	5.68	37602.5	331	59.58	54.83	-0.86	Nucleus
TkWRKY63	GWHPAAAA036778	II-d	9.69	37012.48	340	60.26	51.25	-0.634	Nucleus
TkWRKY64	GWHPAAAA037940	I	8.51	53630.8	487	58.42	65.08	-0.803	Nucleus
TkWRKY65	GWHPAAAA039332	II-c	6.66	33595.31	301	51.43	59.55	-0.81	Nucleus
TkWRKY66	GWHPAAAA040169	II-c	8.28	33211.78	303	56.86	47.11	-0.751	Nucleus
TkWRKY67	GWHPAAAA040219	I	8.26	42201.99	379	63.27	51.26	-0.921	Nucleus
TkWRKY68	GWHPAAAA041256	II-e	6.45	35636.43	320	47.88	51.43	-0.962	Nucleus
TkWRKY69	GWHPAAAA041614	II-b	8.78	43809.39	394	67.13	47.5	-0.635	Nucleus
TkWRKY70	GWHPAAAA042782	III	7.82	16604.73	150	85.2	46.37	-0.526	Nucleus
TkWRKY71	GWHPAAAA043806	II-a	8.37	36300.67	329	66.35	41.22	-0.728	Nucleus
TkWRKY72	GWHPAAAA046275	III	5.1	33931.8	301	66.74	66.2	-0.619	Nucleus

Table S2 The 20 motifs in *Taraxacum kok-saghyz* Rodin WRKY proteins.

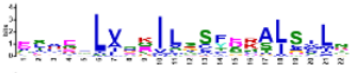
Motif number	Motif Sequence	Motif Logo	Width
Motif 1	DGYRWRKYGQKVVKG		15
Motif 2	SPHPRSYYRCTSAGC		15

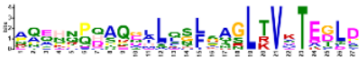
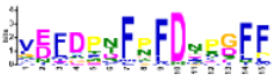
Motif 3	DPSIVITTYEGKHNH		15
Motif 4	DDGYNWRKYGQKQVKGS EYPRSYYKCTHPNCPVKK		35
Motif 5	KKIREPRVAVQTRSEVDILD		20
Motif 6	PVRKQVZRASD		11
Motif 7	GQITEIVYKGNHNHPKPQPTK		21
Motif 8	PLPPAATAMASTTSAAASMLL		21
Motif 9	VQAELERMNEENQRLREMLDQV MKBYNALQMHLKTVMQQKQQEE		44
Motif 10	ALAETTTAJTADPNFTAALAAAISS IIGG		29
Motif 11	SSGRCHCSKKRKHRMKR VVRVPAISMKLADIPP		33
Motif 12	GJSPSNFLESPFLLTNSSIAPSPTSGS FP		29
Motif 13	GFGTGISPGPMTLVSNFFSDHYPD ADLRSFSQLLAGVIPSPAAEYPPPH C		50
Motif 14	KKKLIEELTQGQELAKKLKRLLRR PQSSE		29

Motif 15	GGGGGGGFFDTPQGYLDMLAFQ DYGGASLFDLLQQPTPPNLVVEQL QIH		49
Motif 16	LVDEILGSFKKALSLLNST		19
Motif 17	VTPVKERRGCYKRRKTSDSRVKIA PTIE		28
Motif 18	PFMDHGLAPPSLVED EEIPTSSADGHDEE		29
Motif 19	PTTIQFPLNLNCNHDHQEKQIN EMDFFSDKKHDEDRSRLPV		41
Motif 20	PTRIPYFNYSLNPTTYAPAMDH GGLLQDVLAYHRQGTPADH		41

Note: In Motif Logo, the larger the letter, the more conserved the amino acid.

Table S3 The 20 motifs in nine species (rice, maize, *Brachypodium distachyon*, pineapple, *Arabidopsis*, grapes, peaches, poplars and *Taraxacum kok-saghyz* Rodin) WRKY proteins.

Motif number	Motif Sequence	Motif Logo	Width
Motif 1	PIDDGYRWRKYGQKHILGAKHPRSYYRC		28
Motif 2	DPHLFLYTYRGLHTC		15
Motif 3	DQGCTATKQVQRSDD		15
Motif 4	LYLELYRGKELAKQLETLLRP		21
Motif 5	ERVELLVQKILSSFERALSILN		22
Motif 6	KKRKTLPRWTEQVRV		15

Motif 7	VKDRRGCYKRRKTSQSWTTV		20
Motif 8	ESDLTEIISAATSVTNSPIVD		21
Motif 9	PSFISPATSESNYFSVSPCQM		21
Motif 10	AQEHNPQAQGLLQSLQAGLTVKTEGLD		27
Motif 11	LDDGYRWRKYGQKVVKGNPRSYYKCT		28
Motif 12	YVDLADAMFNSGSSSTN		17
Motif 13	VEFDPNFPFDNPGFF		15
Motif 14	SSSQRPRRRKDEGERRTYRVPAQRTGNTEI		30
Motif 15	KAFAVHDDTYGSEMIKFDQVVSESVMPQLATI DEQAITMED		41
Motif 16	HIMNQECDINDYLVDDDPFWASQFPPF		27
Motif 17	SPNGSLSTHVASYPVFEYAEWRGDADLQEVVS		32
Motif 18	LPSSSIIIPFFSTPCTSNSNQPQKNNYFTESVISNL VMTGF		41
Motif 19	SPSSGNGSPRSEDSD		15
Motif 20	SGLDHGDVISSVNYSSTTSTHSYDIDNM		28

Note: In Motif Logo, the larger the letter, the more conserved the amino acid.

Table S4 Statistics of *cis*-acting elements of TkWRKY genes.

Gene name	WUN-motif	MBS	LTR	MBSI	W-box	TC-rich repeats	CGTCA-motif	ABRE	TCA-element	TGA-element	GARE-motif	circadian

TkWRKY1	1	1			1	1	3	1					
TkWRKY2	1	1	1		1		2	1		1			
TkWRKY3		1	2		1		2	1		2	1		
TkWRKY4			1		2	1	3	2					1
TkWRKY5	1	1			2	1	1	2	3				
TkWRKY6			5			1	3	1					1
TkWRKY7	1				2	1	3			1			
TkWRKY8		1			1		4	1		2			
TkWRKY9			1		1		1	1		2			1
TkWRKY10		1	1		3		1	5					
TkWRKY11	1	1	2					1	2	2			
TkWRKY12	1				1		5	5	2				
TkWRKY13	1	1	1		1		2	1	1	2			
TkWRKY14		1	3		1	1	3	3		1			
TkWRKY15	1	1	2				4	3	2	1			
TkWRKY16	1	1					1	3	1				
TkWRKY17	1	1	1		1	1	2	2	1				
TkWRKY18		2	2		2		1		1	1	1		1
TkWRKY19		2	1		2		3	2					
TkWRKY20					2	1		1					
TkWRKY21	4	1	1						1		1		
TkWRKY22	1	1	1				6	2		1			1
TkWRKY23					2	2	3	2					
TkWRKY24	4				3		3	1	2				
TkWRKY25							5	2					
TkWRKY26	2				1	1	1	7					
TkWRKY27	1	4	1				3	1					
TkWRKY28	1				5			2	1				
TkWRKY29			1	1		1	2	4					
TkWRKY30		1			2		3	3					1
TkWRKY31	1				1			4					
TkWRKY32	1		1		1	2	3	1					
TkWRKY33		1	2				2	1		1			
TkWRKY34	3	2	2	1	2	1	1	2					1

TkWRKY35	2							1	2			
TkWRKY36		1				6	3	2	1			1
TkWRKY37		1	1	1		4	2					
TkWRKY38				1		1	1					
TkWRKY39			1			1	6		1			
TkWRKY40		1	1	2		4	2					
TkWRKY41							1			1		
TkWRKY42	1	1			1	3	3		2			
TkWRKY43												
TkWRKY44												
TkWRKY45			1			3	2					
TkWRKY46		2	1	3			3					
TkWRKY47	1	1	2			1	1		2			
TkWRKY48	1		1		1	1	1					
TkWRKY49		2	3	2		1	2		2	1		
TkWRKY50	3			2	1			1	1			
TkWRKY51	1			2		1	3	2				1
TkWRKY52	1		2		1	2	6	3	1			
TkWRKY53		2	2	2		2	1		1			1
TkWRKY54	3	1		2	1		1					
TkWRKY55	1					2	1					
TkWRKY56			1	3		2	1	1	2			
TkWRKY57		1			1	2	1		1			
TkWRKY58	3				1	4	2					
TkWRKY59		1	1	1		3	1		1			
TkWRKY60	1		2			6	1	1				
TkWRKY61	1					2	1					
TkWRKY62				2		1	5	2				
TkWRKY63	2						1					
TkWRKY64			2				1	3				
TkWRKY65				1		3	3					1
TkWRKY66	1			1	1	4	5		1	1		
TkWRKY67					2		2		1	1		
TkWRKY68	1				1	1	1	1		1		

TkWRKY69	1		3		2		5		2	2		1
TkWRKY70					1	1	1		1			
TkWRKY71	1		1		1			1				
TkWRKY72		1	1		4		3	1	2		1	

Table S5 Transcriptome data sets of TKS WRKY genes.

Gene name	FL_FPKM	LA_FPKM	PE_FPKM	SE_FPKM	ML_FPKM	MLR_FPKM
TkWRKY1	17.1283	25.6379	17.33	15.5801	25.3646	11.5874
TkWRKY2	3.24154	0.027284	3.35413	3.50137	2.87067	0.155269
TkWRKY3	0.290672	0.882705	1.61459	1.01429	0.853402	15.7274
TkWRKY4	0.674436	17.235	0.210472	0.240001	0.145701	16.8435
TkWRKY5	0.176618	0	0.018132	0.019182	0	2.38568
TkWRKY6	11.2681	14.1192	5.79956	10.7103	7.30703	40.1169
TkWRKY7	19.2406	34.6835	15.1657	27.2162	19.4576	44.7096
TkWRKY8	7.63662	4.69867	12.842	1.07625	16.6598	40.1686
TkWRKY9	2.58751	0.23615	0.393898	0.448244	1.81974	22.4942
TkWRKY10	0.982251	0.377557	8.53716	0.338631	2.84284	9.1135
TkWRKY11	0.77463	0.499634	3.95982	0.255913	5.31735	0.293109
TkWRKY12	0.753264	0.243445	0.07404	1.22812	0.372937	15.9326
TkWRKY13	0.662385	0.050832	3.31544	0.314397	0.518081	0.578905
TkWRKY14	0.167701	0	0	0.387667	0.040846	0.206801
TkWRKY15	27.7187	27.5553	27.0901	1.43862	41.5982	14.2819
TkWRKY16	1.64948	0.283277	29.1895	0.228824	2.92124	0.356708
TkWRKY17	18.3457	2.49312	3.03255	31.167	36.0012	36.1623
TkWRKY18	3.93769	13.5105	1.40463	3.20872	3.90707	79.7124
TkWRKY19	5.65203	0.033123	3.15527	15.1585	4.14168	2.07942
TkWRKY20	0.618171	0	0.141997	0.239491	0.298461	0
TkWRKY21	0.099286	0.005387	0.006438	0	0.021098	1.53069
TkWRKY22	17.9256	15.9546	13.1867	12.4589	13.8824	69.3527
TkWRKY23	0.481367	9.23146	0.250646	0.279609	0.169042	12.2578
TkWRKY24	0.868471	0	0.018936	0.852567	17.2799	0
TkWRKY25	1.56653	4.7766	0.432362	6.43546	0.251806	1.45149
TkWRKY26	8.55675	0.784728	0.120417	0.906219	0.04739	1.70145
TkWRKY27	17.6033	11.7555	16.8449	1.35045	6.13082	13.7901
TkWRKY28	0.937802	158.341	0.49201	2.48425	2.33581	17.3944
TkWRKY29	0.76939	7.55464	0.46958	8.4627	0.213454	1.78805
TkWRKY30	0.312153	167.867	0.564192	0.037004	0.249615	12.7803
TkWRKY31	0.557373	7.61492	1.73079	0.179453	1.94941	11.1666
TkWRKY32	0	0.032836	0.020479	0	0	0
TkWRKY33	0.055974	0.15262	0.093552	0.029676	0.298472	1.50641
TkWRKY34	0.038962	0.019872	0.013105	0.069275	0.307904	0.2619
TkWRKY35	12.3045	10.2264	11.2701	12.6406	16.9612	12.0884

TkWRKY36	13.5665	0.333059	5.30896	10.8717	6.51826	1.43157
TkWRKY37	0.076222	1.59566	0.120928	3.89945	1.42499	69.4778
TkWRKY38	4.61937	121.474	8.25753	54.3085	4.75565	158.479
TkWRKY39	0	0.095286	0.01868	0	0	0.358859
TkWRKY40	6.62515	0.078664	3.75807	15.1289	3.83079	2.06749
TkWRKY41	0	0.029078	0	0	0	1.1453
TkWRKY42	0.70748	0.520264	1.03831	1.46064	0.098481	0.230252
TkWRKY43	0.654554	0.199247	7.75582	0.125559	1.72701	5.77248
TkWRKY44	3.32635	0	2.74791	4.03579	2.4481	0.045164
TkWRKY45	0.318305	0	0.144888	0.045927	3.78566	0
TkWRKY46	6.4446	3.57092	6.8158	8.11957	6.76002	4.35661
TkWRKY47	0.583452	0.133745	4.05963	0.171655	7.19755	0.409455
TkWRKY48	32.3803	32.8205	33.2324	36.6129	34.2102	61.8198
TkWRKY49	0.665393	0.941672	2.39687	1.50345	0.460404	20.9335
TkWRKY50	0.803838	0.523677	1.18741	0.029262	5.55777	16.1493
TkWRKY51	0.457558	0.792458	0.198847	0.281261	0.344002	1.77072
TkWRKY52	5.95971	4.58298	2.46348	0.774355	1.48424	37.5001
TkWRKY53	0.050831	0	0	0.189185	0.012611	0.094395
TkWRKY54	0.034685	0	0.019334	0.112031	0	0.071014
TkWRKY55	0.029312	0	0	0.511567	0	0.616797
TkWRKY56	38.8896	29.2058	22.1152	28.1781	34.7593	96.0577
TkWRKY57	0.714416	0.070814	2.24947	0.686409	1.83242	1.57069
TkWRKY58	5.8476	6.56318	2.15682	0.71002	6.89375	2.9358
TkWRKY59	0.099216	0.255925	0.009966	0.053477	0.019514	28.9537
TkWRKY60	6.75774	18.1893	12.2561	7.78365	5.89771	31.8113
TkWRKY61	0	0	0	0	0	0
TkWRKY62	0.53172	2.43793	0.295783	0.329318	0.610856	52.1431
TkWRKY63	7.66047	39.573	6.8866	27.1465	23.6996	158.872
TkWRKY64	28.836	78.2093	41.6308	91.3014	59.1813	172.513
TkWRKY65	0.331709	4.50554	0.197498	4.77706	0.185672	108.335
TkWRKY66	1.94928	39.2037	5.17355	1.3273	5.81662	32.5031
TkWRKY67	16.4511	18.8646	13.4108	16.0638	12.9283	12.9691
TkWRKY68	0.364387	0.09232	0.930194	0.38696	1.59925	2.61198
TkWRKY69	0.07098	0.020933	0	4.07984	0.1117	1.62356
TkWRKY70	1.2315	2.78109	0.250086	0.261498	2.15892	37.4675
TkWRKY71	7.6969	22.3617	7.98214	2.93636	36.0474	393.654
TkWRKY72	0.60969	0.946208	0.346008	0	3.56286	2.17346

Gene name	MMR_FPKM	MS_FPKM	YL_FPKM	YLR_FPKM	YMR_FPKM	YS_FPKM
TkWRKY1	10.6372	14.9978	25.2227	18.62	12.7659	21.4787
TkWRKY2	0.066427	0.120224	1.07893	0.693342	0.406004	0.737356
TkWRKY3	6.89491	6.83025	0.574483	8.29445	10.7744	4.26818
TkWRKY4	6.9991	3.96322	0.06021	6.07575	7.96165	5.86123
TkWRKY5	0.254441	0.208882	0	3.72902	1.63246	0.773169
TkWRKY6	14.8044	16.7538	6.66828	32.5981	44.0507	38.6722
TkWRKY7	47.6204	34.075	17.3202	24.152	55.8573	62.6127
TkWRKY8	35.6866	19.1475	16.4979	16.3345	16.6439	10.4284
TkWRKY9	8.60452	4.33695	7.48983	27.4336	12.6894	1.99077
TkWRKY10	2.23002	9.63399	7.20687	3.71989	2.42788	0.94348
TkWRKY11	0.263059	0.274211	6.75598	0.231451	0.337475	0.8303
TkWRKY12	1.66602	1.66372	0.019757	53.0382	18.3924	20.3207
TkWRKY13	0.272422	0.062245	0.360915	3.25498	1.78245	0.296409
TkWRKY14	0.02054	0.04468	0	1.86608	0.160823	0.13938
TkWRKY15	5.37852	28.113	13.4419	18.8407	17.3387	24.2895
TkWRKY16	0.512625	5.91676	4.5467	0.316413	1.05243	12.4578
TkWRKY17	11.6684	10.2765	5.81566	67.2961	40.2996	40.8831
TkWRKY18	54.0617	44.4635	2.02395	141.5	215.33	205.351
TkWRKY19	0.970274	0.476192	2.04212	2.91195	1.68541	1.32555
TkWRKY20	0	0	0.177329	0.790501	0	0
TkWRKY21	0.075728	0.145294	0	6.17012	1.62753	0.259618
TkWRKY22	46.7375	45.0898	9.93295	70.9356	55.8403	29.599
TkWRKY23	5.93927	3.04379	0.04073	7.72849	7.66959	5.79663
TkWRKY24	0	0.018126	6.41568	0	0	0
TkWRKY25	0.476949	1.20318	0.191856	2.29982	0.789151	0.757314
TkWRKY26	2.27447	3.49038	0.019757	1.17086	1.21534	2.21932
TkWRKY27	8.39814	51.1421	10.5045	9.24521	16.3927	11.2471
TkWRKY28	10.5403	14.6341	0.736686	14.5612	10.9437	15.0842
TkWRKY29	0.643699	0.99796	0.120515	2.12534	1.24355	0.639702
TkWRKY30	8.96497	5.62071	0.097526	9.87474	12.8396	9.7183
TkWRKY31	9.40394	9.63309	9.07138	13.1247	11.7991	6.99318
TkWRKY32	0.02285	0.084687	0	0.278015	0.02187	0.020901
TkWRKY33	0.388569	0.46225	0.450988	1.55745	0.220039	0.028657
TkWRKY34	0.013116	0.074795	0	3.96272	0.414623	0.02744
TkWRKY35	10.2934	12.5586	15.8768	16.674	14.8438	14.9549
TkWRKY36	0.822661	1.27941	9.43088	1.5932	2.04882	2.97459

TkWRKY37	38.5622	20.5905	0.305816	40.607	33.7904	6.19077
TkWRKY38	197.048	120.13	2.3103	43.1324	135.046	85.5722
TkWRKY39	0.233369	2.03803	0	0.017471	0.0854	0.259363
TkWRKY40	0.60542	0.370394	2.20275	3.31204	1.57794	1.18553
TkWRKY41	0.101093	0	0	5.76157	1.60302	0
TkWRKY42	0.042224	0.340283	0.435972	0.371221	0.151845	0.717741
TkWRKY43	1.70341	8.20773	2.20199	2.6753	2.21623	1.08536
TkWRKY44	0.084009	0.180658	1.00123	0.216328	0.030397	0.309564
TkWRKY45	0	0.076446	3.47733	0	0	0.035606
TkWRKY46	2.89292	3.8065	7.22938	4.41536	4.45116	3.99509
TkWRKY47	0.230898	0.34438	6.53236	0.218251	0.289326	0.893334
TkWRKY48	77.9903	83.3277	25.7757	35.1675	42.793	29.4103
TkWRKY49	10.9304	10.3557	1.4878	12.9326	11.7923	6.88214
TkWRKY50	6.53274	4.02417	0.532448	11.2082	28.1438	32.5843
TkWRKY51	0.711902	0.986585	0.238967	2.14765	1.84331	1.08823
TkWRKY52	6.69967	95.4851	1.36951	33.5655	22.0967	14.0501
TkWRKY53	0	0.032369	0.013525	1.6923	0.149391	0.173181
TkWRKY54	0	0.039217	0.046704	0.774748	0.057755	0.093086
TkWRKY55	0.089662	0	0	1.19065	0.513325	0.159201
TkWRKY56	40.9145	56.0356	21.1038	99.0179	98.0083	77.2679
TkWRKY57	0.765006	5.57521	2.1429	2.09201	3.16651	9.4029
TkWRKY58	2.1868	19.333	4.26992	4.23867	3.83539	8.32199
TkWRKY59	6.82959	10.6442	0.012767	10.0791	10.1933	7.80811
TkWRKY60	22.102	69.465	17.0546	17.1535	18.2569	27.7554
TkWRKY61	0	0	0	0.212326	0.039873	0
TkWRKY62	16.4222	6.3412	0.215222	70.6201	121.064	101.899
TkWRKY63	91.0756	120.887	9.29633	140.218	176.012	153.679
TkWRKY64	226.603	91.2839	50.0428	112.632	182.601	98.992
TkWRKY65	48.6155	14.9431	0.189324	53.1711	69.256	26.6543
TkWRKY66	29.9317	24.7035	1.80759	27.0487	31.3961	24.7135
TkWRKY67	13.7576	19.6653	13.5606	10.1792	13.6959	14.8603
TkWRKY68	0.689443	0.143333	0.703647	3.55371	1.27099	0.526074
TkWRKY69	0.35107	0.274724	0.030515	2.9786	0.553112	0.609663
TkWRKY70	8.79878	39.308	0.244617	19.6802	50.2113	50.8552
TkWRKY71	206.132	208.295	8.04607	393.543	373.731	322.925
TkWRKY72	1.17687	0.452387	0.0185	8.84855	5.82644	5.3123

Table S6 Primers for Real-time RT-PCR.

Primer name	Primer Sequence	Primer name	Primer Sequence
Q*TkWRKY4*-F	CAGCTACAGATTCATCCTCCCC	Q*TkWRKY4*-R	TTATTTGCAGCCTCGTTTGACG
Q*TkWRKY6*-F	ATCGGATGTTCCAGTTGACCAA	Q*TkWRKY6*-R	TAGAAGTAGAAGGCGCGTTTGT
Q*TkWRKY10*-F	TCCTGTTGGCCTGAGAGTTTAC	Q*TkWRKY10*-R	AAGATCTGCTTCACCACATCGT
Q*TkWRKY13*-F	GGTTAAGTCGATACGTGAGCCA	Q*TkWRKY13*-R	CCTGGGATTAGGGTTGCTTCTT
Q*TkWRKY15*-F	AACTCCAAATCCCCAAGGTGTT	Q*TkWRKY15*-R	GCAAGTGTGGTGGCCAAAATAT
Q*TkWRKY18*-F	AATGGTGGTCAACATCCGTACA	Q*TkWRKY18*-R	CTTCGGGTTCTTCCTTAGCACT
Q*TkWRKY21*-F	GGCTAAGACTCCATTTGGACCA	Q*TkWRKY21*-R	TCTTTATGGTGGATTGTGGGGG
Q*TkWRKY23*-F	CAGCTACAGATTCATCCTCCCC	Q*TkWRKY23*-R	TTATTTGCAGCCTCGTTTGACG
Q*TkWRKY27*-F	GACTCAGGCGAAAGTGAGAAGA	Q*TkWRKY27*-R	TAGCACCTTGGAAATGTAGCGT
Q*TkWRKY28*-F	ATGGTAAGGAGGTGATCATGGC	Q*TkWRKY28*-R	TCTCCATCTATAGCCGTCGTCA
Q*TkWRKY38*-F	ACTGGAAGAATCTCAGCAGCAA	Q*TkWRKY38*-R	TGGAACTGAGATGGGTGTTCTG
Q*TkWRKY39*-F	CAGCTAGTGCAACATCAACACC	Q*TkWRKY39*-R	TGTGTTCTTCTCCGAGTTCGTT
Q*TkWRKY56*-F	ACCAGTAATCAACCGGTTGTGT	Q*TkWRKY56*-R	GGTTTACCACCAGCAGATAGCT
Q*TkWRKY71*-F	TAACTCCAAGAAACGGAAGCCA	Q*TkWRKY71*-R	AGGTGTTGTTCTTGTCTGGGTT
GAPDH-F	AGTTGGTTTCGTGGTATGAC	*GAPDH*-R	ACATGTCAGTGAACAGGTAGAC
β-actin-F	GGAAGGATCTTTATGGGAAC	*β-actin*-R	CAGACACTATACTTCCTCTCAGG