

Table 1. Molecular mapping of agriculturally important genes in crop plants

Crop	Pathogen/Trait	Gene	Marker(s)	Reference	
1. Disease resistance					
Rice	<i>Pyricularia oryzae</i>	<i>Pi-2,4</i>	RFLP	[18]	
		<i>Pi11</i>	RFLP	[139]	
		<i>Pi-5(t), Pi-7(t)</i>	RFLP	[140]	
		<i>Pi-Z⁶</i>	RFLP	[141]	
		<i>Pi-10</i>	RFLP	[142]	
		<i>Pi-12(t)</i>	RFLP	[143]	
		<i>Pi-18(t)</i>	RFLP	[144]	
		<i>Pib</i>	RFLP	[145]	
		<i>Pik^m</i>	RFLP	[146]	
		<i>Pita-2, Pita</i>	RFLP	[147]	
		<i>Pi-5 (t)</i>	AFLP	[148]	
		<i>Pi20</i>	RFLP	[149]	
		<i>Pi44</i>	RFLP	[150]	
		<i>Pb1</i>	RFLP	[151]	
		<i>Pyricularia grisea</i>	<i>Pi-1(t)</i>	RFLP	[152]
	<i>QTL (1)</i>		RFLP	[153]	
	<i>Xanthomonas oryzae</i> pv. <i>oryzae</i> (Bacterial blight)		<i>Xa-1, Xa-3, Xa-4</i>	RFLP	[20]
		<i>Xa-5</i>	RFLP	[19]	
		<i>Xa-13</i>	RFLP	[154]	
		<i>Xa-21</i>	RFLP	[155]	
		<i>Xa-1</i>	RAPD	[156]	
		<i>Xa3, Xa4, Xa5, Xa10</i>	RFLP	[156]	
		<i>Xa13</i>	RFLP	[157]	
		<i>Xa22(t)</i>	RFLP	[158]	
		<i>Xa-1</i>	RAPD	[159]	
		<i>Xa 23 (t)</i>	SSR	[160]	
		Rice yellow mottle virus	<i>RYMV (QTL)</i>	RFLP	[161]
			<i>RYMV</i>	RFLP & STS	[162]
		Rice stripe	<i>Stv-bⁱ</i>	RFLP	[163]
		Tungro	<i>RTSV</i>	RFLP	[164]
	<i>Puccinia striiformis</i> f. sp. <i>tritici</i>	<i>Yr5</i>	RGA	[165]	
	<i>Rhizoctonia solani</i> Kuhn	<i>Rsb1</i>	RFLP, RAPD, AFLP, SSR	[166]	
Wheat	<i>Erysiphe graminis</i> p.v. <i>tritici</i>	<i>Pm1, Pm2, Pm3b,</i> <i>Pm4a</i>	RFLP	[167]	
		<i>Pm1, Pm2</i>	RFLP	[168]	
		<i>Pm2</i>	RFLP	[169]	
		<i>Pm3b, Pm4a</i>	RFLP	[170]	
		<i>Pm2</i>	RFLP	[171]	
		<i>Pm1</i>	RFLP	[172]	
		<i>Pm12</i>	RFLP	[173]	
		<i>Pm21</i>	RAPD	[174]	
		<i>Pm</i>	RFLP	[175]	
		<i>Pm4b</i>	AFLP	[176]	

Crop	Pathogen/Trait	Gene	Marker(s)	Reference
		<i>Pm4a & Pm4b, Pm6</i>	STS, RFLP	[177]
		<i>Pm13</i>	RFLP, RAPD, STS, DDRT-PCR	[178]
		<i>MIG</i>	SSR	[179]
	Adult plant resistance to powdery mildew	<i>APR</i>	STMS, RFLP	[180]
	Common bunt	<i>Bt-10</i>	RAPD	[181]
		<i>Bt-11</i>	RAPD	[182]
	Karnal bunt	<i>KB</i>	RFLP	[183]
	Durable stem rust	<i>Sr2</i>	RFLP	[169]
		<i>Sr2</i>	STS	[184]
		<i>Sr2</i>	RFLP	[185]
		<i>Sr22</i>	RFLP	[186]
	<i>Puccinia recondite</i>	<i>Lr9</i>	RFLP, RAPD	[187]
		<i>Lr18</i>	N-band	[188]
		<i>Lr1</i>	RFLP	[189]
		<i>Lr9</i>	RFLP	[190]
		<i>Lr 19</i>	RFLP	[190]
		<i>Lr24</i>	RFLP	[190]
		<i>Lr24</i>	RAPD	[191]
		<i>Lr 29</i>	RAPD	[192]
		<i>Lr32</i>	RFLP	[190]
		<i>Lr34</i>	RFLP	[169]
		<i>Lr24</i>	RAPD, SCAR	[193]
		<i>Lr10</i>	STS	[194]
		<i>Lr10</i>	RFLP	[195]
		<i>Lr23</i>	RFLP	[195]
		<i>Lr27</i>	RFLP	[195]
		<i>Lr31</i>	RFLP	[195]
		<i>Lr34</i>	RFLP, RAPD	[195]
		<i>Lr34</i>	RFLP	[196]
		<i>Lr13</i>	RFLP, STMS	[197]
		<i>Lr35</i>	PCR	[197]
		<i>Lr28</i>	RAPD, STS	[37]
		<i>Lr3</i>	RFLP	[198]
		<i>Lr3</i>	mRNA fingerprinting, cDNA cloning	[199]
	Stripe rust	<i>Yr15</i>	RFLP	[200]
		<i>Yr15</i>	RAPD, STMS	[201]
		<i>YrH52</i>	STMS, RFLP	[40]
	Loose smut	<i>T19</i>	Monoclonal antibody	[202]
		<i>T10</i>	RAPD, RFLP	[203]
	<i>Septoria nodorum</i>	–	RAPD	[204]
	<i>Septoria tritici</i>	–	AFLP	[205]
	<i>Fusarium head blight</i>	–	AFLP, RFLP	[206]
		–	AFLP	[207]
	Yellow rust	<i>YrMoro</i>	AFLP, STS	[208]

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Table 1. (Contd)

Crop	Pathogen/Trait	Gene	Marker(s)	Reference
	<i>Tilletia indica</i>	<i>QTL (1)</i>	SSR, AFLP	[209]
	Wheat streak mosaic virus	<i>Wsm1</i>	STS, RAPD	[210]
Maize	<i>Helminthosporium turcicum</i>	<i>Ht1</i>	RFLP	[211]
	Maize dwarf mosaic virus	<i>mdm1</i>	RFLP	[212]
	<i>Cercospora zeamaydis</i>	<i>QTL (>10)</i>	–	[213]
	Maize streak virus	<i>QTL (1)</i>	RFLP	[214]
	Maize mosaic virus	<i>QTL (1)</i>	RFLP	[215]
	Maize stripe virus	<i>QTL (1)</i>	RFLP	[216]
	Sugarcane mosaic virus	<i>Scm1</i>	RFLP, SSR	[217]
		<i>Scmv1, Scmv2</i>	RGA-CAPs	[218]
<i>Scmv1, Scmv2</i>		AFLP, SSR	[219]	
Barley	<i>Erysiphe graminis</i>	<i>QTL (2)</i>	RFLP	[220]
		<i>Rar1</i>	AFLP	[221]
	<i>Rynchosporium secalis</i>	<i>Rrs 13</i>	RFLP	[222]
	<i>Puccinia hordei</i>	<i>Rph Q</i>	RAPD	[223]
		<i>QTL-Rphq (6)</i>	AFLP	[224]
		<i>Rph7.g</i>	RFLP	[225]
	<i>Xanthomonas campestris</i> pv. <i>hordei</i>	<i>QTL (3)</i>	–	[226]
	<i>Puccinia striiformis</i> f.sp. <i>hordei</i>	<i>QTL (1)</i>	–	[227]
	Barley yellow dwarf	<i>Yd2</i>	AFLP	[228]
	Luteovirus			
	Barley yellow mosaic virus	<i>rym5</i>	CAPs, SSR	[229]
	<i>Cochliobolus sativus</i>	<i>Vhv1</i>	AFLP	[230]
	<i>Pyrenophora graminea</i>	<i>QTL (2)</i>	–	[231]
Sorghum	<i>Sporisorium reilianum</i>	<i>Shs</i>	RFLP/RAPD	[232]
Tomato	<i>Stemphylium vesicarium</i>	<i>Sm</i>	RFLP	[233]
	<i>Cladosporium fulvum</i>	<i>cfa</i>	RFLP	[234]
	<i>Fusarium oxysporum</i>	<i>I₂</i>	RFLP	[235]
	<i>Pseudomonas syringae</i>	<i>Pto</i>	RFLP	[236]
	<i>Leveillula tourica</i>	<i>Lv</i>	RAPD/RFLP	[237]
	<i>Verticillium dahliae</i>	<i>Ve</i>	RAPD	[238]
		<i>Ve</i>	RFLP	[239]
	<i>Medoidogyne</i> sp.	<i>Mi</i>	RFLP	[240]
	<i>Pseudomonas solanacearum</i>	<i>QTL (3)</i>		[241]
	<i>Oidium lycopersicum</i>	<i>Ol-1</i>	RFLP, RAPD, SCAR	[242]
	<i>Alternaria solani</i>	<i>QTL (1)</i>	RFLP, RGA	[89]
Potato	Potato virus X	<i>Rx₁, Rx₂</i>	RFLP	[243]
		<i>Nb</i>	AFLP	[244]
	<i>Phytophthora infestans</i>	<i>QTL (11)</i>	RFLP	[97]
		<i>R2</i>	AFLP	[99]
	Potato X potyvirus	<i>Nx_{phu}</i>	RFLP	[245]
	Potato Y potyvirus	<i>Ry_{adg}</i>	RFLP	[246]

Crop	Pathogen/Trait	Gene	Marker(s)	Reference
Soybean	<i>Phytophthora sojae</i>	<i>Rps 1</i>	RFLP	[247]
	Soybean mosaic virus	<i>Rsv</i>	RFLP/SSR	[248]
	<i>Pseudomonas syringae</i> pv. <i>glycinea</i>	<i>Rpg 1</i>	RFLP	[249]
Common bean	<i>Uromyces appendiculatus</i>	<i>PI 181996</i>	RAPD	[250]
		<i>Ur-9, Fin</i>	RAPD	[251]
	Potyvirus	<i>I</i>	RAPD	[252]
	<i>Xanthomonas campestris</i>	<i>QTL (7)</i>	RFLP	[253]
	<i>Colletotrichum lindemut</i> <i>hianum</i>	<i>Co-4², Co-7</i>	RAPD, SCAR	[254]
Pea	Pea seed borne mosaic virus	<i>sbm-1</i>	RFLP	[255]
	<i>Ascochyta pisi</i>	<i>QTL (3)</i>	RFLP	[256]
Tobacco	<i>Chalara elegans</i>	<i>Brr</i>	RAPD	[257]
Apple	<i>Venturia inaequalis</i>	<i>Vf</i>	RAPD	[258]
		<i>Vf</i>	AFLP & SCAR	[259]
Melon	<i>Fusarium</i> sp.	<i>Form 2</i>	RAPD	[260]
Mungbean	<i>Erysiphe polygoni</i>	<i>QTL (3)</i>	RFLP	[261]
Cocoa	<i>Phytophthora palmivora</i>	<i>QTL (5)</i>	AFLP	[262]
Oil palm	<i>Fusarium</i> sp.	<i>QTL (1)</i>	SSR & AFLP	[263]
Rubber	<i>Microcyclus ulei</i>	<i>QTL (8)</i>	–	[264]
	<i>Phyllochora herberi</i>	<i>Phr</i>	Isozyme	[265]
Sugarcane	<i>Puccinia melanocephala</i>	–	RFLP	[266]
Brassica	<i>Leptosphaeria maculans</i>	<i>QTL (10)</i>	–	[267]
	(Desm.) Ces. et de Not			
	<i>Plasmodiophora brassicae</i>	<i>Pb-Bn1, QTL (2)</i>	–	[268]
	<i>Sclerotinia sclerotiorum</i>	<i>QTL (1)</i>	RFLP, AFLP, SSR, RAPD	[269]
Chick pea	<i>Fusarium</i> sp.	<i>Race 4</i>	ISSR (Inter-Simple Sequence repeat)	[270]
Pearl millet	<i>Puccinia substriata</i> var. <i>indica</i>	<i>Rr₁</i>	RAPD, RFLP	[271]
Rose	<i>Diplocarpon</i>	<i>Rdr1</i>	RAPD, AFLP	[272]
Grape	Powdery mildew	<i>Run1</i>	AFLP	[273]
Pepper	Potato virus Y	<i>Pvr4</i>	RAPD, SCAR	[274]
Cassava	Cassava Mosaic Virus	<i>CMD2</i>	SSR, RFLP	[275]
Rye	Rust	<i>Lr26</i>	AFLP, RGA,	[276]
		<i>Sr31</i>	STS	
		<i>Yr9</i>		
		<i>SrR</i>		
Banana	Banana Streak Virus	–	AFLP	[277]
Tobacco	<i>Ralstonia solanacearum</i>	<i>QTL (1)</i>	AFLP	[278]
Lentil	<i>Colletotrichum truncatum</i>	<i>LCt-2</i>	RAPD, AFLP	[279]

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Crop	Pathogen/Trait	Gene	Marker(s)	Reference	
2. Nematode and insect resistance					
Potato	<i>Globodera rostochiensis</i>	<i>QTL (2)</i>	–	[280]	
	<i>Globodera rostochiensis</i> , <i>G. pallida</i>	<i>Grp1</i>	AFLP, CAPs & RFLP	[281]	
	<i>G. pallida</i>	<i>QTL (1)</i>	AFLP, SSR	[282]	
	<i>G. pallida</i>	<i>QTL (1)</i>	AFLP	[283]	
Tomato	<i>Globodera rostochiensis</i>	<i>Hero</i>	SSR	[284]	
	<i>Meloidogyne</i> spp.	<i>Mi-1</i>	RFLP	[285]	
Sorghum	Head bug	<i>B2/b2</i>	RFLP, SSR	[286]	
	<i>Schizaphids graminum</i>	<i>QTL (1)</i>	RAPD, SSR	[287]	
Soybean	<i>Helicoverpa zea</i> Boddie	<i>QTL (1)</i>	RFLP	[77]	
	<i>Heterodera glycines</i> Ichinohe	<i>QTL (1)</i>	RFLP	[288]	
Wheat	<i>Diuraphis noxia</i> Mordvilko	<i>Dn2</i>	RAPD, SCAR	[289]	
		<i>Dn2, Dn4</i>	RFLP	[290]	
		<i>Dn4</i>	SSR	[291]	
		<i>Dn6</i>			
		<i>H23, H24</i>	RFLP	[292]	
		<i>H3, H5, H6, H9- H17</i>	RAPD	[293, 294]	
	Hessian fly	<i>H21</i>	RAPD	[295]	
		<i>H6</i>	RAPD, STS	[296]	
		<i>Pratylenchus neglectus</i>	<i>Rlnn1</i>	AFLP, RFLP	[297]
		Cereal cyst nematode resistance	<i>Cre1</i>	RFLP	[298]
			<i>Cre1</i>	RFLP	[127]
			<i>Ccn-D1</i>	RAPD, RFLP	[299]
Maize	<i>Ostrinia nubilalis</i>	<i>QTL (1)</i>	RFLP, SSR	[300]	
Rice	<i>Orseolia oryzae</i> (Gall midge)	<i>Gm2</i>	RFLP	[14]	
		<i>Gm4(t)</i>	RFLP	[118]	
		<i>Gm7</i>	AFLP, SCAR	[301]	
	Brown planthopper	<i>Bph1</i>	RFLP	[302]	
		<i>Bph10</i>	RFLP	[303]	
		<i>Bph(t)</i>	RFLP	[23]	
	Green leafhopper	<i>GLH</i>	RFLP	[17]	
		<i>Grlp3</i>	RFLP	[304]	
		<i>Grlp11</i>	RFLP	[304]	
		<i>Grh1</i>	RFLP	[305]	
	Whitebacked planthopper	<i>WBPH</i>	RFLP	[306]	
		<i>WBPH</i>	RFLP	[307]	
Apple	<i>Dysaphis devectora</i> Wlk.	<i>Sd-1</i>	AFLP, SSR, RFLP	[308]	
3. Abiotic stresses					
Rice	Submergence tolerance	<i>Sub1</i>	RFLP	[24]	
		<i>Salt</i>	RFLP	[25]	
	Salt tolerance	<i>OSA3</i>	RFLP	[26]	

Crop	Pathogen/Trait	Gene	Marker(s)	Reference
	Phosphorus uptake	<i>QTL (1) (Pup1)</i>	RFLP	[27]
	Aluminium tolerance	<i>QTL (1)</i>	–	[28]
Wheat	Thermosensitive earliness <i>per se</i>	<i>Eps-A^m1 (QTL)</i>	RFLP	[309]
	Aluminium tolerance	<i>Alt2</i>	RFLP	[310]
		<i>Alt_{BH}</i>	RFLP	[311]
	Tolerance to salt stress	<i>Kna1</i>	Protein poly morphism	[312]
Barley	Aluminium tolerance	<i>Alt (QTL)</i>	AFLP, SSR	[313]
4. Male sterility, wide compatibility and fertility restoration				
Petunia	Restorer of fertility	<i>Rf</i>	RAPD, AFLP	[314]
Rice	Male sterility and fertility restoration	<i>tgms1.2</i>	RFLP	[29]
		<i>tms2</i>	RFLP	[30]
		<i>tms3</i>	RFLP	[31]
		<i>tgms</i>	RFLP	[32]
		<i>tgms-vn1 (tms4)</i>	RFLP	[33]
		<i>pms1</i>	RFLP	[315]
		<i>pms2</i>	RFLP	[315]
		<i>pms3</i>	RFLP	[316]
		<i>ms-h(t)</i>	RFLP	[317]
		<i>Rf-1</i>	RFLP	[318]
		<i>Rf?</i>	RFLP	[319]
		<i>Rf2</i>	RFLP	[320]
		<i>Rf3</i>	RFLP	[321]
		<i>Rf5</i>	RFLP	[322]
		<i>Rfu</i>	RFLP	[323]
		<i>Rf?</i>	RFLP	[114]
	Hybrid breakdown	<i>Hwd1, hwd2</i>	RFLP	[324]
	Wide compatibility	<i>S5</i>	RFLP	[325]
Wheat	Fertility restoration	<i>Rf4, Rf3</i>	RFLP	[326]
Rye	CMS	<i>Rfg1</i>	RFLP, RAPD	[227]
	Self-fertility	<i>SIZIS5</i>	Isozyme, RFLP	[228]
Brassica	CMS restorer	<i>Rfp1</i>	RFLP, RAPD	[229]
Sorghum	Fertility restorer	<i>rf4 (QTL)</i>	AFLP	[330]
Sunflower	Fertility restoration	<i>Rf1</i>	RAPD, AFLP, SCAR	[331]
Cotton	CMS fertility restoration	<i>Rf1</i>	RAPD, SSR	[332]
Coffee	Pollen viability restoration	<i>QTL (3)</i>	AFLP	[333]
5. Grain quality				
Sorghum	Grain quality and yield components	<i>QTL (6)</i>	RFLP, AFLP & SSR	[334]
Rice	Grain aroma	<i>Fgr</i>	RFLP	[34]

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Crop	Pathogen/Trait	Gene	Marker(s)	Reference
Wheat	Cooked-kernel elongation	<i>KNE</i>	RFLP	[35]
	Amylose	<i>Wx</i>	RFLP	[335]
	Flour colour	<i>QTL (1)</i>	RFLP, AFLP	[336]
	Grain yield	<i>QTL (1)</i>	RFLP	[337]
	Red grain colour	<i>R3, R1</i>	RFLP	[169]
	High molecular weight glutinin	<i>Glu-D1</i>	PCR-based	[338]
	Grain protein content	<i>QTL (1)</i>	STMS, RFLP	[44]
		<i>QTL (1)</i>	SSR	[339]
	Kernel hardness	<i>ha</i>	RFLP	[169]
		<i>ha</i>	RFLP	[340]
Bread making quality	<i>Glu-D1(1Dx5)</i>	PCR	[341]	
	Amylose content	<i>Wx-B1</i>	RFLP	[342]
Sunflower	Grain oil content	<i>QTL(2)</i>	AFLP, SSR	[343]
6. Yield, its components and other traits				
Eucalyptus	Wood density, stem growth and stem form	<i>QTL (1)</i>	RAPD	[110]
	Lignification genes	<i>EgHypar</i> and <i>EgTub A1</i>	SSCP (Single Strand Confirmation Polymorphism)	[344]
Oil palm	Fruit morphology and fertility	<i>Sh</i>	AFLP	[263]
Carnation	Flower type	<i>QTL (1)</i>	RAPD, SCAR & RFLP	[345]
Soybean	Specific leaf weight and leaf size	<i>QTL (1)</i>	RFLP	[346]
	Stearic acid content	<i>Fas</i>	SSR	[80]
Wheat	Plant height	<i>Rht-B1</i>		
		<i>Rht-D1</i>	RFLP	[347]
	Dwarfing genes	<i>Rht12</i>	STMS, RFLP	[43]
		<i>Rht8</i>	SSR	[41]
		<i>Rht-B1, Rht-D1</i>	RFLP	[348]
		<i>Rht-B1, Rht-D1</i>	RFLP	[347]
	Haploid formation	<i>QTL (1)</i>	AFLP	[349]
	Green plant formation	<i>QTL (1)</i>	AFLP	[349]
	Semi-dwarfing genes Rht-D1b (Rht2)	<i>Rht-B1b (Rht-1)-</i>	PCR-based	[350]
	Ear emergence time, plant height	<i>QTL (1)</i>	RFLP	[351]
	Preharvest sprouting tolerance	<i>QTL (1)</i>	RFLP	[352]
	Vernalization response	<i>Major gene</i>	STMS, STS	[45]
		<i>Vrn1</i>	RFLP	[353]
		<i>Vrn1</i>	RFLP	[169]
		<i>Vrn1</i>	RFLP	[43]
<i>Vrn-A^m1, Vrn-A^m2</i>		RFLP	[354]	
	<i>Vrn-D1</i>	STMS	[355]	

Crop	Pathogen/Trait	Gene	Marker(s)	Reference
	Cadmium uptake	<i>Cdu1</i>	RAPD	[356]
	ABA production and response	–	RFLP	[357]
	Coleoptile pigmentation	<i>Rc1</i>	RFLP	[169]
	Milling yield	–	RFLP, STMS	[358]
	Eyespot	<i>Pch2</i>	RFLP	[359, 360]
	Tan spot	–	RFLP	[361]
	Na ⁺ /K ⁺ discrimination	–	RFLP	[362]
Apple	Growth and development in juvenile apple trees	<i>QTL (1)</i>	RAPD	[363]
Potato	For foliar glycoalkaloid and aglycones	<i>QTL (1)</i>	RFLP	[364]
Peach	Fruit quality	<i>QTL (1)</i>	Isozymes, RAPD, RFLP, AFLP	[365]
Rose	Recurrent blooming, double corolla, thorn density of the shoots	<i>QTL (1)</i>	AFLP	[366]
Grape	Seedlessness, berry weight	<i>QTL (1)</i>	AFLP, SSR, isozyme, RAPD, SCAR	[367]
Barley	Intermedium spike-C and non-brittle rachis 1	<i>int-c</i> <i>btr-1 (QTL)</i>	AFLP	[368]
Pea	Rhizobium nodulation	<i>sym9, sym 10</i>	AFLP, RFLP	[369]
Sugarbeet	Sucrose content, yield and quality	<i>QTL (1)</i>	RFLP, AFLP	[370]
Rice	Photoperiod sensitivity	<i>Se1</i>	RFLP	[371]
	Semidwarf gene	<i>sd1</i>	RFLP	[122]
		<i>Sdg</i>	RFLP	[372]
	Shattering-resistance gene	<i>Sh2</i>	RFLP	[122]
		<i>Sh4</i>	RFLP	[373]
		<i>Sh1</i>	RFLP	[374]
	Seed dormancy, heading date	<i>QTL (5)</i>	RFLP	[375]
	Heading date	<i>QTL-Hd-1, Hd-2 & Hd-3</i>	RFLP	[376]
	Yield	<i>QTL (1)</i>	SSR, STS	[36]
	Root morphology	<i>QTL (1)</i>	–	[377]
<i>Pinus palustris</i> Mill. × <i>P. elliotii</i> Engl.	Early height growth	<i>QTL (1)</i>	RAPD	[105]
Maize	Popping explosion volume	<i>QTL (4)</i>	SSR	[378]
Cotton	Fibre strength	<i>QTL (2)</i>	SSR, RAPD	[379]
Sunflower	Agronomic traits [grain weight by plant (GWP), 100-grain weight (TGW), percentage of oil in grain (POG), sowing to flowering date (STF)]	<i>QTL (1) for TWP, QTL (6) for POG, QTL (2) for STF</i>	AFLP, SSR	[341]