

Table S6 GO term enrichment for molecular function in the Australian cline for genes that overlap windows in the top 5% tail of Fst.

GO term	5 % Tail Molecular Function	
	q-value	description
GO:0003700	3.39E-14	transcription factor activity
GO:0005515	1.99E-13	protein binding
GO:0005524	8.48E-09	ATP binding
GO:0043565	3.00E-07	sequence-specific DNA binding
GO:0005509	3.00E-07	calcium ion binding
GO:0004672	1.97E-06	protein kinase activity
GO:0004674	2.91E-06	protein serine/threonine kinase activity
GO:0008188	7.43E-05	neuropeptide receptor activity
GO:0008270	1.12E-04	zinc ion binding
GO:0003702	2.61E-04	RNA polymerase II transcription factor activity
GO:0003779	6.72E-04	actin binding
GO:0004871	9.13E-04	signal transducer activity
GO:0005245	1.64E-03	voltage-gated calcium channel activity
GO:0005096	1.64E-03	GTPase activator activity
GO:0004702	1.67E-03	receptor signaling protein serine/threonine kinase activity
GO:0004725	2.56E-03	protein tyrosine phosphatase activity
GO:0004889	3.99E-03	nicotinic acetylcholine-activated cation-selective channel activity
GO:0032027	3.99E-03	myosin light chain binding
GO:0003774	4.34E-03	motor activity
GO:0003707	5.47E-03	steroid hormone receptor activity
GO:0005249	6.08E-03	voltage-gated potassium channel activity
GO:0004386	9.04E-03	helicase activity
GO:0004190	9.04E-03	aspartic-type endopeptidase activity
GO:0003777	9.04E-03	microtubule motor activity
GO:0008026	9.04E-03	ATP-dependent helicase activity
GO:0005102	1.01E-02	receptor binding
GO:0004222	1.01E-02	metalloendopeptidase activity
GO:0003676	1.16E-02	nucleic acid binding
GO:0004872	1.25E-02	receptor activity
GO:0003704	1.25E-02	specific RNA polymerase II transcription factor activity
GO:0003713	1.47E-02	transcription coactivator activity
GO:0005089	1.57E-02	Rho guanyl-nucleotide exchange factor activity
GO:0004888	1.57E-02	transmembrane receptor activity
GO:0019992	1.57E-02	diacylglycerol binding
GO:0000166	1.79E-02	nucleotide binding
GO:0008239	1.82E-02	dipeptidyl-peptidase activity
GO:0004879	1.82E-02	ligand-dependent nuclear receptor activity
GO:0042626	1.82E-02	ATPase activity, coupled to transmembrane movement of substances
GO:0003746	1.82E-02	translation elongation factor activity
GO:0016566	1.87E-02	specific transcriptional repressor activity

GO:0004930	2.17E-02	G-protein coupled receptor activity
GO:0005085	2.17E-02	guanyl-nucleotide exchange factor activity
GO:0017111	2.55E-02	nucleoside-triphosphatase activity
GO:0004714	2.55E-02	transmembrane receptor protein tyrosine kinase activity
GO:0005516	2.55E-02	calmodulin binding
GO:0003677	2.55E-02	DNA binding
GO:0005215	2.55E-02	transporter activity
GO:0008017	2.97E-02	microtubule binding
GO:0042623	3.27E-02	ATPase activity, coupled
GO:0016563	3.55E-02	transcription activator activity
GO:0050839	3.62E-02	cell adhesion molecule binding
GO:0035091	3.62E-02	phosphoinositide binding
GO:0008083	3.86E-02	growth factor activity
GO:0004713	4.10E-02	protein tyrosine kinase activity
GO:0003714	4.16E-02	transcription corepressor activity
GO:0032183	4.36E-02	SUMO binding
