

Table S5 GO term enrichment for molecular function in the Australian cline for genes that overlap windows in the top 2.5% tail of Fst.

GO term	2.5 % Tail Molecular Function	
	q-value	description
GO:0005515	5.44E-10	protein binding
GO:0003700	3.20E-09	transcription factor activity
GO:0004672	9.65E-06	protein kinase activity
GO:0004674	3.88E-05	protein serine/threonine kinase activity
GO:0043565	3.88E-05	sequence-specific DNA binding
GO:0005509	9.56E-05	calcium ion binding
GO:0008270	2.82E-04	zinc ion binding
GO:0004871	6.54E-04	signal transducer activity
GO:0004702	6.54E-04	receptor signaling protein serine/threonine kinase activity
GO:0004725	1.60E-03	protein tyrosine phosphatase activity
GO:0005524	1.60E-03	ATP binding
GO:0003702	1.98E-03	RNA polymerase II transcription factor activity
GO:0005089	2.78E-03	Rho guanyl-nucleotide exchange factor activity
GO:0004714	3.11E-03	transmembrane receptor protein tyrosine kinase activity
GO:0003676	4.02E-03	nucleic acid binding
GO:0008188	4.02E-03	neuropeptide receptor activity
GO:0005096	4.02E-03	GTPase activator activity
GO:0005102	4.13E-03	receptor binding
GO:0008026	5.10E-03	ATP-dependent helicase activity
GO:0003713	5.26E-03	transcription coactivator activity
GO:0005249	5.58E-03	voltage-gated potassium channel activity
GO:0004713	8.82E-03	protein tyrosine kinase activity
GO:0004930	8.82E-03	G-protein coupled receptor activity
GO:0003704	8.82E-03	specific RNA polymerase II transcription factor activity
GO:0016563	1.37E-02	transcription activator activity
GO:0004872	1.37E-02	receptor activity
GO:0003779	1.37E-02	actin binding
GO:0000166	1.39E-02	nucleotide binding
GO:0016566	1.42E-02	specific transcriptional repressor activity
GO:0008236	1.47E-02	serine-type peptidase activity
GO:0004222	1.60E-02	metalloendopeptidase activity
GO:0042803	1.68E-02	protein homodimerization activity
GO:0008083	1.81E-02	growth factor activity
GO:0019992	2.47E-02	diacylglycerol binding
GO:0004888	2.47E-02	transmembrane receptor activity
GO:0005516	3.85E-02	calmodulin binding
GO:0008017	4.56E-02	microtubule binding
GO:0046983	4.56E-02	protein dimerization activity
GO:0003729	4.85E-02	mRNA binding