

Table S14 GO term enrichment for molecular function in the North American cline for genes that overlap windows in the top 2.5% tail of Fst.

2.5% Tail Molecular Function		
GO term	q-value	description
GO:0003700	4.16E-10	transcription factor activity
GO:0043565	1.61E-08	sequence-specific DNA binding
GO:0005515	2.23E-05	protein binding
GO:0005089	4.38E-05	Rho guanyl-nucleotide exchange factor activity
GO:0003702	1.09E-04	RNA polymerase II transcription factor activity
GO:0004714	1.09E-04	transmembrane receptor protein tyrosine kinase activity
GO:0004871	1.62E-04	signal transducer activity
GO:0004672	1.87E-04	protein kinase activity
GO:0008270	2.93E-04	zinc ion binding
GO:0003707	3.28E-04	steroid hormone receptor activity
GO:0004879	3.28E-04	ligand-dependent nuclear receptor activity
GO:0008227	4.83E-04	amine receptor activity
GO:0003713	5.28E-04	transcription coactivator activity
GO:0008134	7.22E-04	transcription factor binding
GO:0000166	7.22E-04	nucleotide binding
GO:0003729	1.66E-03	mRNA binding
GO:0004713	1.68E-03	protein tyrosine kinase activity
GO:0003779	1.76E-03	actin binding
GO:0005509	1.89E-03	calcium ion binding
GO:0008188	1.89E-03	neuropeptide receptor activity
GO:0004674	1.90E-03	protein serine/threonine kinase activity
GO:0003704	2.08E-03	specific RNA polymerase II transcription factor activity
GO:0019992	2.68E-03	diacylglycerol binding
GO:0008092	2.68E-03	cytoskeletal protein binding
GO:0004888	2.68E-03	transmembrane receptor activity
GO:0005096	4.22E-03	GTPase activator activity
GO:0003714	4.22E-03	transcription corepressor activity
GO:0004725	5.05E-03	protein tyrosine phosphatase activity
GO:0005524	5.99E-03	ATP binding
GO:0016563	7.45E-03	transcription activator activity
GO:0005102	7.82E-03	receptor binding
GO:0003677	8.76E-03	DNA binding
GO:0042803	9.25E-03	protein homodimerization activity
GO:0005085	1.00E-02	guanyl-nucleotide exchange factor activity
GO:0008017	1.18E-02	microtubule binding
GO:0004930	1.23E-02	G-protein coupled receptor activity
GO:0003774	1.87E-02	motor activity
GO:0003723	1.95E-02	RNA binding
GO:0008083	2.42E-02	growth factor activity
GO:0032183	2.42E-02	SUMO binding

GO:0042623	2.42E-02	ATPase activity, coupled
GO:0003676	4.34E-02	nucleic acid binding
GO:0003777	4.95E-02	microtubule motor activity
