

**TABLE S2****Genes in the top 2.5% of 3'UTR differentiation.**

Gene ID	3'UTR $F_{ST}$	Gene Name	Gene ID	3'UTR $F_{ST}$	Gene Name
FBgn0038783	0.692282	CG4367	FBgn0035028	0.341374	Start1
FBgn0038827	0.66719	Fancd2	FBgn0259680	0.337828	Pkcdelta
FBgn0033809	0.620316	CG4630	FBgn0031681	0.337809	pgant5
FBgn0033808	0.620316	CG4627	FBgn0031861	0.335605	CG17375
FBgn0038225	0.596327	soti	FBgn0051320	0.334101	CG31320
FBgn0031491	0.561771	alpha4GT1	FBgn0038223	0.334016	CG8538
FBgn0038652	0.544105	CG7720	FBgn0259984	0.333621	kuz
FBgn0032974	0.532426	CG3651	FBgn0034820	0.331211	CG13538
FBgn0039396	0.523533	CcapR	FBgn0011289	0.327801	TfIIA-L
FBgn0038478	0.521974	cal1	FBgn0016054	0.32776	phr6-4
FBgn0038292	0.515821	CG3987	FBgn0024832	0.326232	AP-50
FBgn0032409	0.469866	Ced-12	FBgn0019968	0.32613	Khc-73
FBgn0032520	0.468198	CG10859	FBgn0031619	0.321426	CG3355
FBgn0032318	0.458057	CG14072	FBgn0085374	0.320338	CG34345
FBgn0010441	0.446403	pll	FBgn0032515	0.319843	loqs
FBgn0038124	0.436888	CG14380	FBgn0031752	0.317964	CG9044
FBgn0032465	0.430473	CG12404	FBgn0024432	0.317639	Dlc90F
FBgn0023415	0.426255	Acp32CD	FBgn0053092	0.317186	CG33092
FBgn0031284	0.424294	CG3876	FBgn0029161	0.316588	slmo
FBgn0039049	0.421011	CG6726	FBgn0085208	0.316588	CG34179
FBgn0020368	0.419943	Vha68-1	FBgn0035370	0.315363	CG1240
FBgn0043471	0.418173	kappaTry	FBgn0033128	0.315135	Tsp42Eg
FBgn0004888	0.41782	Scsalpha	FBgn0046776	0.31513	CG14033
FBgn0042710	0.414471	Hex-t2	FBgn0050050	0.314525	CG30050
FBgn0010222	0.399271	Nmdmc	FBgn0011244	0.313799	Hsp60B
FBgn0024947	0.395613	NTPase	FBgn0259966	0.311797	Sfp51E
FBgn0038819	0.393874	Cpr92F	FBgn0028482	0.3112	CG16857
FBgn0039061	0.384126	Ir	FBgn0050043	0.307662	CG30043
FBgn0050021	0.374556	skf	FBgn0033304	0.307415	Cyp6a13
FBgn0039293	0.369886	CG11851	FBgn0039969	0.306813	Fis1
FBgn0003248	0.36957	Rh2	FBgn0032474	0.302561	DnaJ-H
FBgn0026576	0.362997	CG5991	FBgn0039107	0.301822	CG10300
FBgn0014141	0.362454	cher	FBgn0040397	0.30087	CG3655
FBgn0031529	0.36213	CG9662	FBgn0020767	0.300498	Spred
FBgn0026758	0.356538	Trf2	FBgn0033806	0.300339	CG4616
FBgn0038815	0.354985	CG5466	FBgn0022073	0.299715	Thor
FBgn0086677	0.354284	jeb	FBgn0032763	0.297223	CG17568
FBgn0034263	0.353819	CG10934	FBgn0013433	0.296955	beat-Ia
FBgn0039238	0.352161	CG7016	FBgn0033252	0.296132	CG12769

FBgn0039239	0.352161	CG13641		FBgn0038407	0.296092	CG6126
FBgn0031522	0.344939	CG3285		FBgn0015844	0.295943	Xpd

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We calculated the mean  $F_{ST}$  of each gene's 3'UTR region and list the top 2.5%.