

Table S3. TSS-locus sequence similarity in comparison to ORF sequence similarity

A) TSS locus vs. protein sequence similarity, *F. muscicola* / *F. thermalis*

Class	Analysis	TSS-type	Median TSS-locus similarity (%)	Median Protein similarity (%)	Median*	p*	Conclusion*
gTSS	per TSS	Positional Ortholog	96	96	0.46	1.332E-17	Protein sequences more similar than TSS-loci
		Singleton	86	95	6.97	5.914E-278	Protein sequences more similar than TSS-loci
	per orthologous gene	Positional Ortholog	95	96	0.71	3.841E-10	Protein sequences more similar than TSS-loci
		Singleton	86	95	7.67	1.186E-153	Protein sequences more similar than TSS-loci
aTSS	per TSS	Positional Ortholog	96	96	-0.59	5.126E-19	TSS-loci more similar than protein sequences
		Singleton	94	95	0.49	3.658E-07	Protein sequences more similar than TSS-loci
	per orthologous gene	Positional Ortholog	96	96	-0.46	1.148E-06	TSS-loci more similar than protein sequences
		Singleton	94	95	0.86	5.797E-14	Protein sequences more similar than TSS-loci
iTSS	per TSS	Positional Ortholog	96	96	-0.67	6.917E-18	TSS-loci more similar than protein sequences
		Singleton	94	95	0.26	3.955E-03	Protein sequences more similar than TSS-loci
	per orthologous gene	Positional Ortholog	96	96	-0.67	2.393E-08	TSS-loci more similar than protein sequences
		Singleton	94	95	0.63	1.274E-07	Protein sequences more similar than TSS-loci

B) TSS locus vs. protein sequence similarity, *F. muscicola* / *C. fritschii*

Class	Analysis	TSS-type	Median TSS-locus similarity (%)	Median Protein similarity (%)	Median*	p*	Conclusion*
gTSS	per TSS	Positional Ortholog	73	82	8.34	7.394E-93	Protein sequences more similar than TSS-loci
		Singleton	51	80	21.80	0.000E+00	Protein sequences more similar than TSS-loci
	per orthologous gene	Positional Ortholog	73	82	8.49	7.621E-41	Protein sequences more similar than TSS-loci
		Singleton	52	80	21.10	2.075E-272	Protein sequences more similar than TSS-loci
aTSS	per TSS	Positional Ortholog	81	81	0.11	6.345E-02	No differences between similarites
		Singleton	79	79	1.43	2.473E-13	Protein sequences more similar than TSS-loci
	per orthologous gene	Positional Ortholog	81	81	-0.29	1.425E-01	No differences between similarites
		Singleton	78	79	2.03	1.428E-14	Protein sequences more similar than TSS-loci
iTSS	per TSS	Positional Ortholog	81	82	0.24	8.828E-01	No differences between similarites
		Singleton	79	79	0.83	7.625E-04	Protein sequences more similar than TSS-loci
	per orthologous gene	Positional Ortholog	81	82	0.46	9.225E-01	No differences between similarites
		Singleton	79	79	1.28	1.661E-06	Protein sequences more similar than TSS-loci

(*) Using Wilcoxon ranksum test