

Online Resource 4 Transcript support for the newly identified FhGST-S2 and FhGST-O1. BLAST hits following analysis of databases using FhGST-S1, -S2, -O1 and -O2 are provided. Top scoring hits are shaded in grey. Transcripts were retrieved from ^AYoung *et al.* (2011), ^BYoung *et al.* (2010), ^Can in house *F. gigantica* newly excysted juvenile transcriptome, ^Dthe available EBI-ENA archive ERP000012: an initial characterization of the *F. hepatica* transcriptome using 454-FLX sequencing and ^Efrom *F. hepatica* ESTs available by anonymous FTP from the Wellcome Trust Sanger Institute <ftp://ftp.sanger.ac.uk/pub/pathogens/Fasciola/>

Sigma Class GSTs	GST-S1	GST-S2
	Scaffold1081	Scaffold1104
Contig24647 ^A	1.00E-33	6.00E-17
Contig27045 ^A	2.00E-10	-
Fh_Contig8894 ^B	4.00E-50	5.00E-24
isotig05100 ^C	8.00E-50	2.00E-23
isotig05101 ^C	8.00E-50	2.00E-23
isotig04409 ^C	6.00E-14	5.00E-50
contig07874 ^D	6.00E-50	1.00E-23
contig06001 ^D	7.00E-14	6.00E-50
Omega Class GSTs	GST-O1	GST-O2
	Scaffold1029	Scaffold50
contig03575 ^D	3.00E-11	2.00E-45
contig04426 ^D	2.00E-45	2.00E-11
HAN5016c12.q1kT3 ^E	5.00E-04	5.00E-24
isotig09504 ^C	1.00E-10	3.00E-44
isotig10825 ^C	1.00E-42	9.00E-12
Contig20835 ^A	1.00E-10	3.00E-44
Contig13488 ^A	5.00E-35	4.00E-09
Contig12260 ^A	3.00E-43	2.00E-12
Fh_Contig5261 ^B	2.00E-45	2.00E-11
Fh_Contig2859 ^B	6.00E-11	1.00E-44