

**S4 Table. Summary of Illumina read counts for each sequenced sample.**

Sample	Total Reads Quality-trimmed reads (Q > 20)	<i>Mus musculus</i> Total mapped reads (%)	<i>Schistosoma mansoni</i> Total mapped reads (%)
Mouse liver Sm_Vh_32 replicate 1	25,620,124	89.65%	0.14%
Mouse liver Sm_Vh_32 replicate 2	22,252,855	89.47%	0.16%
Mouse liver Sm_Vh_32 replicate 3	25,081,458	89.56%	0.10%
Mouse liver Sm_Vh_35 replicate 1	24,891,081	89.80%	0.17%
Mouse liver Sm_Vh_35 replicate 2	24,081,593	88.61%	0.11%
Mouse liver Sm_Vh_35 replicate 3	23,519,336	89.14%	0.10%
Mouse liver Sm_Vh_39 replicate 1	25,877,298	89.86%	0.09%
Mouse liver Sm_Vh_39 replicate 2	24,571,558	89.45%	0.09%
Mouse liver Sm_Vh_39 replicate 3	25,883,964	89.51%	0.04%
Mouse liver Sm_Vh_46 replicate 1	24,289,752	89.55%	0.08%
Mouse liver Sm_Vh_46 replicate 2	22,702,480	89.04%	0.09%
Mouse liver Sm_Vh_46 replicate 3	23,443,615	88.23%	0.06%
Mouse liver Sm_PZQ_32 replicate 1	22,604,127	89.60%	0.07%

Sample	Total Reads Quality-trimmed reads (Q > 20)	<i>Mus musculus</i> Total mapped reads (%)	<i>Schistosoma mansoni</i> Total mapped reads (%)
Mouse liver Sm_PZQ_32 replicate 2	24,752,867	90.12%	0.05%
Mouse liver Sm_PZQ_32 replicate 3	25,486,684	89.57%	0.08%
Mouse liver Sm_PZQ_35 replicate 1	25,052,120	89.91%	0.03%
Mouse liver Sm_PZQ_35 replicate 2	25,062,968	90.07%	0.04%
Mouse liver Sm_PZQ_35 replicate 3	26,780,030	90.27%	0.03%
Mouse liver Sm_PZQ_39 replicate 1	28,606,471	91.03%	0.02%
Mouse liver Sm_PZQ_39 replicate 2	27,926,097	90.19%	0.03%
Mouse liver Sm_PZQ_39 replicate 3	26,796,964	89.65%	0.03%
Mouse liver Sm_PZQ_46 replicate 1	24,861,788	89.77%	0.01%
Mouse liver Sm_PZQ_46 replicate 2	27,194,443	90.84%	0.02%
Mouse liver Sm_PZQ_46 replicate 3	27,273,699	90.19%	0.03%
Mouse liver ui_Vh_32 replicate 1	25,530,722	89.77%	0.02%
Mouse liver ui_Vh_32 replicate 2	27,707,093	89.01%	0.02%

Sample	Total Reads Quality-trimmed reads (Q > 20)	<i>Mus musculus</i> Total mapped reads (%)	<i>Schistosoma mansoni</i> Total mapped reads (%)
Mouse liver ui_Vh_32 replicate 3	29,884,662	89.31%	0.02%
Mouse liver ui_Vh_35 replicate 1	24,735,213	89.18%	0.02%
Mouse liver ui_Vh_35 replicate 2	28,591,287	90.17%	0.02%
Mouse liver ui_Vh_35 replicate 3	27,115,159	90.06%	0.01%
Mouse liver ui_Vh_39 replicate 1	23,688,034	88.22%	0.01%
Mouse liver ui_Vh_39 replicate 2	26,698,924	89.84%	0.01%
Mouse liver ui_Vh_39 replicate 3	25,732,157	89.41%	0.01%
Mouse liver ui_Vh_46 replicate 1	25,245,330	89.37%	0.01%
Mouse liver ui_Vh_46 replicate 2	24,695,867	89.83%	0.02%
Mouse liver ui_Vh_46 replicate 3	25,395,334	90.05%	0.01%