

**S10 Table. BlastN homologous results of M01522:132:000000000-A4LNU:1:1108:20458:16756**

|                                               | Specie ID                                                             | Max Score | Total Score | Query Cover | E-Value  | Identification | Accession      |
|-----------------------------------------------|-----------------------------------------------------------------------|-----------|-------------|-------------|----------|----------------|----------------|
| M01522:132:000000000-A4LNU:1:1108:20458:16756 | Schistosoma mansoni dolichyl glycosyltransferase partial mRNA         | 125       | 125         | 45%         | 9.00E-25 | 76%            | XM_018795619.1 |
|                                               | Schistosoma rodhaini genome assembly S_rodhaini_Burundi               | 125       | 125         | 45%         | 9.00E-25 | 76%            | LL957621.1     |
|                                               | Schistosoma mansoni strain Puerto Rico chromosome 2, complete genome  | 125       | 125         | 45%         | 9.00E-25 | 76%            | HE601625.1     |
|                                               | Schistosoma mattheei genome assembly S_mattheei_Denwood               | 120       | 120         | 46%         | 4.00E-23 | 76%            | LM158041.1     |
|                                               | Schistosoma curassoni genome assembly S_curassoni_Dakar               | 116       | 116         | 46%         | 4.00E-22 | 76%            | LM076444.1     |
|                                               | Schistosoma haematobium Dolichyl pyrophosphate                        | 113       | 113         | 46%         | 5.00E-21 | 75%            | XM_012945398.1 |
|                                               | Schistosoma japonicum isolate Anhui full length mRNA clone SJFCE2873. | 111       | 111         | 45%         | 2.00E-20 | 75%            | FN318736.1     |
|                                               | Schistosoma japonicum isolate Anhui full length mRNA clone SJFCE2873. | 107       | 107         | 45%         | 2.00E-19 | 74%            | FN318735.1     |
|                                               | Schistosoma japonicum SJCHGC03673 protein mRNA                        | 105       | 105         | 45%         | 8.00E-19 | 74%            | AY810735.1     |
|                                               | Trichobilharzia regenti genome assembly T_regenti_v1_0_4              | 104       | 104         | 43%         | 3.00E-18 | 75%            | LL014407.1     |