**Table S6. Information of CaM protein in different species of potential *L. pneumophila* hosts.**

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| --- | --- | --- | --- |
| Accession No. | Protein name | Species / strain names | Protein length (aa) \* |
| AAD45181.1 | CaM | *Homo sapiens* | 149 |
| XP\_001022775.2 | CaM | *Tetrahymena thermophila SB210* | 149 |
| AAA33172.1 | CaM | *Dictyostelium discoideum* | 152 |
| ELR14060.1 | CaM putative 1 | *Acanthamoeba castellanii str. Neff* | 149 |
| XP\_004336073.1 | CaM putative 1 | *Acanthamoeba castellanii str. Neff* | 149 |
| KYQ99709.1 | CaM | *Tieghemostelium lacteum* | 151 |
| XP\_003293234.1 | CaM | *Dictyostelium purpureum* | 151 |
| XP\_004361968.1 | CaM | *Cavenderia fasciculata* | 143 |
| XP\_002674748.1 | CaM | *Naegleria gruberi* | 144 |
| XP\_009308421.1 | CaM | *Trypanosoma\_grayi* | 145 |
| XP\_001740593.1 | CaM putative 1 | *Entamoeba dispar SAW760* | 146 |
| XP\_652365.1 | CaM putative 1 | *Entamoeba histolytica HM-1:IMSS* | 146 |
| GAT99218.1 | CaM putative | *Entamoeba histolytica* | 150 |
| XP\_001739364.1 | CaM putative 2 | *Entamoeba dispar SAW760* | 150 |
| XP\_655757.1 | CaM putative 2 | *Entamoeba histolytica HM-1:IMSS* | 150 |
| XP\_001734679.1 | CaM putative 3 | *Entamoeba dispar SAW760* | 151 |
| XP\_651708.1 | CaM putative 3 | *Entamoeba histolytica HM-1:IMSS* | 151 |
| XP\_001737671.1 | CaM putative 4 | *Entamoeba dispar SAW760* | 144 |
| XP\_652048.1 | CaM putative 4 | *Entamoeba histolytica HM-1:IMSS* | 144 |
| XP\_004334690.1 | CaM putative 3 | *Acanthamoeba castellanii str. Neff* | 154 |
| XP\_004337386.1 | CaM putative 4 | *Acanthamoeba castellanii str. Neff* | 153 |

\* indicates number of amino acid.