

>P.berghei str. ANKA - XP\_677551.2

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NIQNVNMFNDGKEFANNIININMFINLIPLYRYIPLSLSKLNSDYSSVMNNSGELK  
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RVRMDNLDRIYV

>P.chabaudi chabaudi ♂ XP\_739580.2

MNVLNQIDTFFLDYTKTKGVKKIDADWDEGIIVNRYIELGNGISKNINDDNKSTEQSEK  
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LCTNVPGNKGSWCKLDYDTSLSNSEFFLKNPNNYEQSANKNSDSIGHSCKLVRISESR  
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KLNSNYLVSMNNDNGELKKGKQLANNTYIAFDECLLDVGNLNSIGIKNFQCIERLITS  
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>P.falciparum 3D7 - XP\_001348293.1

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>P.knowlesi strain H ð XP\_002260876.1

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>P.vivax Sal-1 ð XP\_001616833.1

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>P.yoelii yoelii str. 17XNL- XP\_724198.1

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RMDNLDRIYV

>A.thaliana | ETG1 ð NP\_181587.2

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>C.parvum Iowa II ð XP\_627231.1

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>C.reinhardtii ð XP\_001690047.1

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>D.discoideum AX4 Ð XP\_646335.1

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>D.rerio Ð Q803A6.2

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>H.sapiens Ð NP\_079110.1

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>L.braziliensis Ð XP\_001562248.1

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>L.infantum  $\text{\textcircled{D}}$  XP\_001470363.1

MPTRHDMEALLRELSTTSGSIAEAVRYAHKYLQSPECRSTAIIDVFPPTQLAHSIGKLCRC  
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PVFGPSLNFPHPSCSRQLQGACVVTVLLPAENGARQNPFRINDVIDFYGYQHFPDDQLQV  
NDVDDFERFSAWNATELSRGLVSRLLCLSYTPVSSLQVRRHISTPPLIALPMTAARTNAI  
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PVAEILLTGEVLRALPHGRVTPKYNNDLNYLETGVLQVANGTHVTIDCASLGRDEAWYE  
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>L.major strain Friedlin  $\text{\textcircled{D}}$  XP\_001684021.1

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>L.mexicana  $\text{\textcircled{D}}$  XP\_003876318.1

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>M.brevicollis MX1  $\text{\textcircled{D}}$  XP\_001749094.1

MLILNFDAQLYTDQEVFKVHDLLEVYGIYTLDVHYGEQQGDEFSPERPAPTLPRIHVLH



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RVARCYDET

>T.congolense\_ CCD12373.1

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>T.cruzi strain CL Brener D XP\_816101.1

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>T.thermophila D XP\_001014433.2

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>T.vaginalis D XP\_001317960.1

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>T.vivax D CCC48825.1

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>C.hominis D XP\_668528.1

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>C.muris- XP\_002139736.1

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>T.gondii - TGME49\_233340

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>N.caninum - NCLIV\_033130

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