

Additional file 1: Clustal-W sequence alignment of *Plasmodium*, Human and Rabbit aldolase. Human and rabbit aldolase share 360/364 residues (99% sequence identity).

CLUSTAL W (1.83) multiple sequence alignment

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HumanA      MPHSYPALS-----AEQKKE LSDIALRIVAPGKGILAADES VGSMAKRLSQIGVENTEENRRLYRQVLF SADDRVKKCI
RabbitC     MPHSYPALS-----AEQKKE LSDIALRIVAPGKGILAADES VGSMAKRLSQIGVENTEENRRLYRQVLF SADDRVKKCI
P.falciparum MAHCTEYMNAPKLPADVAEELATTAQKLVQAGKGILAADESTQTIKKRFDNIKLENTIENRAS YRDLLFGTK-GLGKFI
*. * .      * : ** : * : * .*****. : : ** : * : * * * * * : * * . : * *

HumanA      GGVIFFHETLYQKDDNGVPFVRTIQDKGIVVGIKVDKGVVPLAGTDGETTTQGLDGLSERCAQYKKGADFAKWRCVLKI
RabbitC     GGVIFFHETLYQKDDNGVPFVHTIQDKGIVVGIKVDKGVVPLAGTDGETTTQGLDGLSERCAQYKKGADFAKWRCVLKI
P.falciparum SGAILFEETLFQKNEAGVPMVNLHNENIIPGIKVDKGLVNIPTDEEKSTQGLDGLAERCKEYKAGARFAKWRTVLVI
.*.*.*.***:**: **:* . : : : .: *****:* . * * .:*****:* * * * * * * * * * *

HumanA      S--ERTPSALAI LENANVLARYASICQNGI VPIVEPEILPDGDHDLKRCQYVTEKVLAAVYKALSDHHVYLEGTL LKPN
RabbitC     S--ERTPSALAI LENANVLARYASICQNGI VPIVEPEILPDGDHDLKRCQYVTEKVLAAVYKALSDHHVYLEGTL LKPN
P.falciparum DTAKGKPTDLSIHETAWGLARYASICQNR LVPIVEPEILADGPHSIEVCAVVTQKVLSCVFKALQENGV LLEGALLKPN
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HumanA      MVTPGHACPIKYTPEEIAMATVTALRRTVPPAVPGVTFLSGGQSEEEASFNLNAINRCPLRPWAL TFSYGRALQASALN
RabbitC     MVTPGHACPIKYSPEEIAMATVTALRRTVPPAVPGVTFLSGGQSEEEASLNLNAINRCPLRPWAL TFSYGRALQASALN
P.falciparum MVTAGYECTAKTTQDVGF LTVRTL RRTVPPALPGVVFLSGGQSEEEASVNLNSINAL-GPHPWAL TFSYGRALQASV LN
***.*: * . * : : : .: * * :*****:* * .*****.* * : * * :*****.* *

HumanA      AWRGQRDNAGAATEEFIKRAEVNGLAAQKG YEGSGEDGGAAAQSLY IANHAYL
RabbitC     AWRGQDNAGAATEEFIKRAEVNGLAAQKG YEGSGEDGGAAAQSLY IANHAY-
P.falciparum TWQGGKKNVAKAREVLLQRAEANSLATY GKYKG-GAGGENAGASLYEKKYVY-
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