Figure S4 Kellner et al. 2011

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Um mfa1     MLSIFAQTTQTSASEPQ-QSPTAPQ G---RDNGS-PIGYSSC VVA
Sr mfa1.2   .F...T..I........-...ADEG RG--GK..A-.L..... TI.
Sr mfa3.2   .F...T..I........-...ADEG RG--GK..A-.L..... TI.
Sw mfa1.2   .I.T.T..A......QE-.Q.VNQG -------.A-.L..... TI.
Sw mfa3.2   .I.T.T..A......QE-.Q.VNQG -------.A-.L..... TI.
Uc mfa1.2   .F...T.PA...V..T.-E..ANQV VQ-PGKS..-GL...T. ...
Ux mfa1.2   .F...T.PA...V..T.-E..ANEL APVRGKS..-GL...T. ...
Ux mfa3.2   .F...T.PA...V..T.-E..ANEL APVRGKS..-GL...T. ...
Uh mfa1     .F.....PA...V..T.-E..ANHG AN-PGKS..-GL...T. ...
Mp mfa1.2   .F.....PA...I....-.T.ADQR ----.ST.D-.Y..... ...
Uf mfa1.2   .F.....PA-..V..T.-T..INEG AR-KGVS..P.W...T. ...
Ug mfa1.2   ...L.N.LS...VAQT.E.A.VNQE KP-GTG.S.VGA..... II.
Ug mfa3.2   .I.L.N.LS...VAQT.E.A.VNQE KP-GTG.S.VGA..... II.
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Um mfa2     ML--SIFETVAAAA-PVTVAETQQASNNE- NR---GQPGY--YC LIA
Sr mfa2.1   .F---...S.V.SVQA.S...QD.TPVS.- G.----.K.AV--.. T..
Sr mfa3.1   .F---.....V.SVQA.S...QE.TPVS.- G.----.K.AV--.. T..
Sw mfa3.1   .F--T.....V.SVQA.A...HDA.PV..D G.---...AN--.. T..
Ux mfa3.1   .F--A........VKV.SA...EH.PT..- G.KRQ.E.AP--.. I..
Uh mfa2     .F--SL.......VKV.SA..PEH.PT.E- GK---.E.AP--.. I..
Me mfa2.1   .F--GV......V--Q.S...VE..PQ..- G.---...AP--.. I..
Ug mfa2.1   .FPSAL.AP.VV.----Q..APEE.PK..- GN---..APVMG.. T..
Ug mfa3.1   .FPSAL.AP.VV.----Q..APEE.PK..- GN---..APVMG.. T..
```

```
Sr mfa1.3   MDALTLFAPVSLGAVATEQAPVDE ERPNRQ-TFPWI-GC VVA
Sr mfa2.3   ........................ ......-.....-.. ...
Sw mfa1.3   ...F...........VA..T...Q ...SQD-.L..T-.. .I.
Uc mfa1.3   ...I.....I.V...S.....I.Q ...DKR-GL..TG.. ...
Ux mfa1.3   ...I.....I.V...S.......Q ...D.R-GL..TG.. ...
Mp mfa1.3   .N.IA......V...S......N* .KNPS.-.G.YVS.. ...
Uf mfa1.3   ...I..........S.......Q ..RSERPSL..TS.. I..
Ug mfa1.3   ..KVI....I.V...S.......Q .KNPQ--SL..TG.. .I.
Ug mfa2.3   .LNEI.....T...TSS..N..N. .KNPQ--SL..TG.. .I.
```