

SUPPLEMENTAL FIGURE 2

Mammalian 1810019J16Rik (Kdf1) protein alignment

M_musculus	1	MPRPGQPRPSSGPPRLGPWERPSELCLLETNDERSQPPPGRRTRKPDPKDPGHHGPESITF
H_sapiens	1	MPRPGHPRPAGSPRLGPWERPTELCLLETYDKPPQPPPSRRTRRPDPKDPGHHGPESITF
R_norvegicus	1	MPRPGQPRPSSGPPRLGPWERPTELCLLETNDERSQPPPGRRTRRPDPKDPGHHGPESITF
C_familiaris	1	MPRPGHPRPSSGPPRLGPWEQPTTELCLLETDEPSQPPPSRRTRRPDPKDPGHHGPESITF
E_caballus	1	MPRPGHPRPSSGPPRLGPWERPAELCLLETYDEPSQPPPSRRTRRPDPKDPGHHGPESITF
B_taurus	1	MPRPGHPRPSSGPPRLGPWERPAELCLLETYDEQARAPPSSRRTRRPDPKDPGHHGPESITF
M_musculus	61	ISGSAEPANEPPTCCLLWRPWGWDWCRAAFCFRRCRDCLQRCGACVRGCSPCLSAGDPIE
H_sapiens	61	ISGSAEPALLESPTCCLLWRPWVWVWCRAAFCFRRCRDCLQRCGACVRGCSPCLSTEDSTE
R_norvegicus	61	ISGSAEPANEPPTCCLLWRPWGWDWCRAAFCFRRCRDCLQRCGACVRS CSPCLSAGDPIE
C_familiaris	61	ISGSAESAAEPPACCLLWRPWVVDWCRAALCFRRCRSLQRCGACMRGCSPCLSAGDSPE
E_caballus	61	ISGSAEPAAEPPACCLLWRPWVVDWCRAAFCFRHCRGCLQRCGACVRGCSPCLSAGDSPE
B_taurus	61	ISGSAEQTPEPPACCLLWRPWVVDWCRAAFCFRRCWDCLQRCGACARGCSPCLSSGDSPE
M_musculus	121	GSAAEA WAKEHNGVPPSPDRAPPSRRDQORLKTSMGSSFSYPDVKLKGI PVYPYRHATSP
H_sapiens	121	GTAEANWAKEHNGVPPSPDRAPPSRRDQORLKTSMGSSFSYPDVKLKGI PVYPYPRATSP
R_norvegicus	121	GSSEAA WAKEHNGVPPSPDRAPPSRRDQORLKTSMGSSFSYPDVKLKGI PVYPYRHATSP
C_familiaris	121	GAAEANWAKEHNGVPPSPDRAPPSRRDQORLKTSMGSSFSYPDVKLKGI PVYPYRSATSP
E_caballus	121	GAAEAS WAKEHNGVPPSPDHAPPSRRDQORLKTSMGSSFSYPDVKLKGI PVYRYRPATSP
B_taurus	121	GAAEANWVKEHNGVPPSPDHAPPSRRDQORLKTSMGSSFSYPDVKLKGI PVYPYRSTTSP
M_musculus	181	VPDV DSCCKEPLAEPPPTRHSLPSTFTNSPRGSEEYYSFHESDLDLPEMGSGSMSREID
H_sapiens	181	APDADSCCKEPLADPPPMRHS LPSTFASSPRGSEEYYSFHESDLDLPEMGSGSMSREID
R_norvegicus	181	VPDADSCCKEPLADPPPTRHSLPSTFTSSPRGSEEYYSFHESDLDLPEMGSGSMSREID
C_familiaris	181	APDADSCCKEPLAEPPPTRHSLPSTLASSPRGSEEYYSFHESDLDLPEIGSGSMSREID
E_caballus	181	APDV DSCCKEPLAEPPPTRHSLPSTLASSPRGSEEYYSFHESDLDLPEIGSGSMSREID
B_taurus	181	APDADSCCKEPLADPPPMRHS LPSTLASSPRGSEEYYSFHESDLDLPEIGSGSMSREID
M_musculus	241	VLIFFKKLTELFSVHQIDELAKCTS DTVFLEKTSKISDLISSITQDYHLDEQDAEGR LVRG
H_sapiens	241	VLIFFKKLTELFSVHQIDELAKCTS DTVFLEKTSKISDLISSITQDYHLDEQDAEGR LVRG
R_norvegicus	241	VLIFFKKLTELFSVHQIDELAKCTS DTVFLEKTSKISDLISSITQDYHLDEQDAEGR LVRG
C_familiaris	241	VLIFFKKLTELFSVHQIDELAKCTS DTVFLEKTSKISDLISSITQDYHLDEQDAEGR LVRG
E_caballus	241	VLIFFKKLTELFSVHQIDELAKCTS DTVFLEKTSKISDLISSITQDYHLDEQDAEGR LVRG
B_taurus	241	VLIFFKKLTELFSVHQIDELAKCTS DTVFLEKTSKISDLISSITQDYHLDEQDAEGR LVRG
M_musculus	301	IIRISTRKSRSRPQTS EGRSARSTAPAAAPDSGHETMVGSGLSQDELTVQISQETTADA
H_sapiens	301	IIRISTRKSRARPQTS EGRSIRAAAPTAAAPDSGHETMVGSGLSQDELTVQISQETTADA
R_norvegicus	301	IIRISTRKSRSRPQTS EGRSARSTAPAAAPDSGHETMVGSGLSQDELTVQISQETTADA
C_familiaris	301	IIRISTRKSRARPQTS EGRSMRGAAPAAAPDSGHETMVGSGLSQDELTVQISQETTADA
E_caballus	301	IIRISTRKSRTRPQTS EGRSIRAAASAAAAPDSGHETMVGSGLSQDELTVQISQETTADA
B_taurus	301	IIRISTRKSRARPQTS EGRSIRAAAPAAAAPDSGHETMVGSGLSQDELTVQISQETTADA
M_musculus	360	IARKLRPYGAPGYPASQDSS FQGTDTDSSGAPLLQVYC
H_sapiens	361	IARKLRPYGAPGYPASHDSS FQGTDTDSSGAPLLQVYC
R_norvegicus	360	IARKLRPYGAPGYPASQDSS FQGTDTDSSGAPLLQVYC
C_familiaris	360	IARKLRPYGAPGYPASHDSS FQGTDTDSSGAPLLQVYC
E_caballus	361	IARKLRPYGAPGYPITSHDSS FQGTDTDSSGAPLLQVYC
B_taurus	361	IARKLRPYGAPGYPASHDSS FQGTDTDSSGAPLLQVYC