

Fig. S5

A.planci_3778825_	1	MRPHRLTQGSDDRREIMPAKGKYDYKEQFYYSATIIYRSNWHANAQLSVVDKVCLESIMDYQWQLFEHDPNLGCTKC
H.sapiens_CXL10	1	MNQIT-----ALLIC-----CLIFL-----TLSGTQ
G.gorilla_CXL10	1	MNQIT-----AVLIC-----CLIFL-----TLSGVQ
M.musculus_CXL10	1	MNPS-----AAVIF-----CLILL-----GLSGTQ
R.norvegicus_CXL10	1	MNPS-----AAVVL-----CLVLL-----SLSGTQ
C.lupus_CXL10	1	MNQS-----AVLIF-----CLIFL-----TLNGTQ
P.macrocephalus_CXL10	1	MNQR-----AVLIF-----CLILL-----TLRGTQ
consensus		*... ..**.*..*..*
A.planci_3778825_	76	KQTGRHYHLLATHAEQKNDYHMKLSRNFKCLCMDITCOAVKNPASIVSYLRIP-----PRKKVTEHMPLRWEE
H.sapiens_CXL10	21	-----GVPLSRTVRCTCISISNOPV-NPRSLEKLEIIPASQFCPRVEIIATMKKKEK
G.gorilla_CXL10	21	-----GVPLSRTVRCTCISISNOPV-NPRSLEKLEIIPASQFCPRVEIIATMKKKEK
M.musculus_CXL10	21	-----GIPLARTVRCNCIHLDDGPV-RMRAIGKLEIIPASLSCPRVEIIATMKKNDQ
R.norvegicus_CXL10	21	-----GIPLARTVRCTCIDFHEQTL-RPRAIGKLEIIPASLSCPHVEIIATMKKNNEK
C.lupus_CXL10	21	-----GIPLSRTVRCTCIKISNOPV-NPRSLEKLEIIPASQFCPRVEIIATMKKKEK
P.macrocephalus_CXL10	21	-----EIPLSRTVRCACIKISDREV-NPRSLEKLEIIPASQFCPRVEIIATMKKKEK
consensus		...*...*...*...*...*...*...*
A.planci_3778825_	146	RCSLFKIEPSSQETIEMRVRKERERGAMRPPKPDPHRAPPPPEGLDEMTELQLIKYLIDKYQPRSSNDFIYRAMRY
H.sapiens_CXL10	73	RC---LNPESKAIKNLLKAVSKERSKRSP-----
G.gorilla_CXL10	73	RC---LNPESKAIKNLLKAVSKERSKRSP-----
M.musculus_CXL10	73	RC---LNPESKTIKNLLKAFSQKRSKRAP-----
R.norvegicus_CXL10	73	RC---LNPESEAIKSLKAVSQRRSKRAP-----
C.lupus_CXL10	73	RC---LNPESKTIKSLVKAISKRSRSP-----
P.macrocephalus_CXL10	73	RC---LNPESKTIKNLLKAIKRSKRSP-----
consensus		** ..*.*.*.....*
A.planci_3778825_	221	EDYLVAGKLERAYFTQNWVDVKFRKALALSQNSIIDANLTETHRWNEAHPNGSHQHLSVEQSAQVLRDWFYQEI
H.sapiens_CXL10		-----
G.gorilla_CXL10		-----
M.musculus_CXL10		-----
R.norvegicus_CXL10		-----
C.lupus_CXL10		-----
P.macrocephalus_CXL10	99	-----TQ-----KEA
consensus		