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                1         10        20        30        40        50        60
huANP32A        MEMGRRIHLELRNRTPSDVKELVLDNSRSNEGKLEGLTDEFEELEFLSTINVGLTSIANL
pgANP32A        MEMDKRIHLELRNRTPSDVKELVLDNCRSNEGKIEGLTDEFEELEFLSTINVGLTSVANL
eqANP32A        MDMDKRIHLELRNRTPSDVKELVLDNCRSNEGKIEGLTDEFEELEFLSTINVGLTSVANL
dgANP32A        MEMGRRIHLELRNRTPSDVKELVLDNCRSIEGKIEGLTDEFEELEFLSTINVGLTSVANL
osANP32A      MEFTSLSSQIPDTWRPVDGEVVKELVLDNCRSCEGKIEGLTDEFEELEFLSTINVGLASVANL
zfANP32A        MEMKRRIHLELRNRTPSDVKELVLDNCRSYEGKIVGLTDEFEELEYLSTINVGLTSVANL
dkANP32A        MDMKKRIHLELRNRTPSDVKELVLDNCRSYEGKIEGLTDEFEELEFLSTINVGLTSVANL
tyANP32A    MEQMAEATVCVHLE-----RLAVKELVLDNCRSYEGKIEGLTDEFEELEFLSTINVGLTSVANL
chANP2A         MDMKKRIHLELRNRTPSDVKELVLDNCRSYEGKIEGLTDEFEELEFLSTINVGLASVANL
                  70        80        90       100       110       120
huANP32A        PKLNKLKKLELSDNRVSGGLEVLAEKCPNLTHLNLSGNKIKDLSTIEPLKKLENLKSLDLFNCE
pgANP32A        PKLNKLKKLELSDNRISGGLEVLAEKCPNLTHLNLSGNKIKDLSTVEPLKKLENLKSLDLFNCE
eqANP32A        PKLNKLKKLELSDNRISGGLEVLAEKCPNLTHLNLSGNKIKDLSTIEPLKKLENLKSLDLFNCE
dgANP32A        PKLNKLKKLELSDNRISGGLEVLAEKCPNLTHLNLSGNKIKDLSTIEPLKKLENLKSLDLFNCE
osANP32A        PKLNKLKKLELSDNRISGGLEVLAEKCPNLTHLNLSGNKIKDLGTIEPLKKLENLKSLDLFNCE
zfANP32A        PKLNKLKKLELGDNRISGGLEVLAEKCPNLTHLNLSGNKLKDLGTIEPLKKLENLKSLDLFNCE
dkANP32A        PKLNKLKKLELSDNRISGGLEVLAEKCPNLTHLNLSGNKIKDLGTIEPLKKLENLKSLDLFNCE
tyANP32A        PKLNKLKKLELSDNRVSGGLEVLAEKCPNLTHLNLSGNKIKDLGTIEPLKKLENLKSLDLFNCE
chANP2A         PKLNKLKKLELSDNRVSGGLEVLAEKCPNLTHLNLSGNKIKDLGTIEPLKKLENLKSLDLFNCE
                 130       140       150       160       170       180       190
huANP32A        VTNLNDYRENVFKLLPQLTYLDGY-----------------------------------DRDDKEA
pgANP32A        VTNLNDYRENVFKLLPQLTYLDGY-----------------------------------DRDDKEA
eqANP32A        VTNLNDYRENVFKLLPQLTYLDGY-----------------------------------DRDDKEA
dgANP32A        VTNLNDYRENVFKLLPQLTYLDGY-----------------------------------DRDDKEA
osANP32A        VTNLNDYRENVFKLLPQLTYLDGY-----------------------------------DRDDKEA
zfANP32A        VTNLNDYRENVFKLLPQLTYLDGYDRDDKEAPDSDAEGYVEELDDKEEDEDVLSLVKDRDDKEA
dkANP32A        VTNLNDYRENVFKLLPQLTYLDGYDRDDKEAPDSDAEGYVEGLDDEEEDEDVLSLVKDRDDKEA
tyANP32A        VTNLNDYRENVFKLLPQLTYLDGYDRDDKEAPDSDAEGYVEGLDDEEEDEDVLSLVKDRDDKEA
chANP2A         VTNLNDYRENVFKLLPQLTYLDGYDRDDKEAPDSDAEGYVEGLDDEEEDEDVLSLVKDRDDKEA
                                         insert (33aa)
                 200       210       220       230       240       250
huANP32A        PDSDAEGYVEGLDDEEEDEDEEEYDEDAQVVEDEEDEDE-EEEGEEEDVSGEEEEDEEGYNDGE
pgANP32A        SDSDAEGYVEGLDDDEEDEDEEEYDEDAQVVEDEEDEEE-EEEGEEEDVSGEEEEDEEGYNDGE
eqANP32A        PDSDAEGYVEGLDDDEEDEDEEEYDEDAQVVEDEEDEEE-EEEGEEEDVSGEEEEDEEGYNDGE
dgANP32A        PDSDAEGYVEGLDDDEEDEDEEEYDEDAQVVEDEEDEEE-EEEGEEEDVSGEEEEDEEGYNDGE
osANP32A        PDSDAEGYVEGLDDEEEDEDEEEYDEDAQVVEDEEDEEE-EEEGEEEDVSGEEEEDEEGYNDGE
zfANP32A        PDSDAEGYVEGLDDEEEDEDEEEYDDDAQVVEDEEDEEEEEEEGEEEDVSGEEEEDEEGYNDGE
dkANP32A        PDSDAEGYVEGLDDEEEDEDEEEYDDDAQVVEDEEDEEE-EEEGEEEDVSGEEEEDEEGYNDGE
tyANP32A        PDSDAEGYVEGLDDEEEDEDEEEYDDDAQVVEDEEDEEE-EEEGEEEDVSGEEEEDEEGYNDGD
chANP2A         PDSDAEGYVEGLDDEEEDEDEEEYDDDAQVVEDEEDEEE-EEEGEEEDVSGEEEEDEEGYNDGD
                 260       270       280  287
huANP32A        VDDEEDEEELGEEERGQKRKREPEDEGEDDD
pgANP32A        VDDEEDEEEPGEEERGQKRKREPEDEGEDDD
eqANP32A        VDDEEDEEDLGEEERGQKRKREPEDEGEDDD
dgANP32A        VDDEEDEEDVGEEERGQKRKREPEDEGEDDD
osANP32A        VDDDEDEEEL-DEERGQKRKREPEDEGDEDD
zfANP32A        VDDEEDEEEP-EEERGQKRKREPEDEGDEDD
dkANP32A        VDDDEDEEEP-DEERGQKRKREPEDEGDEDD
tyANP32A        VDDDEDEEEP-DEERGQKRKREPEDEGDEDD
chANP2A         VDDDEDEEEP-DEERGQKRKREPEDEGDEDD
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