<pre><html><head><style type="text/css"></style></head><body><pre style="word-wrap:</pre></th><th><pre>break-word;</pre></th></tr><tr><td>white-space: pre-wrap; ">CLUSTAL 2.1 multiple sequence alignment<td></td></pre></body></html></pre>	
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humanGNPTAB	MLFKLLQRQTYTCLSHRYGLYVCFLGVVVTIVSAFQFGEVVLEWSRDQYHVLFDS	55
mouseGNPTAB	MLLKLLQRQTYTCLSHRYGLYVCFVGVVVTIVSAFQFGEVVLEWSRDQYHVLFDS	55
${\tt zebrafishGNPTAB}$	MLVVNSLLKLLQRQTYTCLSHRYGLYLCFGGLVLMIVSAFQFGEVVVEWSRDQYHVLFDS	60
	* • * * * * * * * * * * * * * * * * * *	
humanGNPTAB	YRDNIAGKSFONRLCLPMPIDVVYTWVNGTDLELLKELOOVREOMEEEOKAMREILGKNT	115
mouseGNPTAB	YRDNIAGKSFQNRLCLPMPIDVVYTWVNGTDLELLKELQQVREHMEEEQRAMRETLGKNT	115
zebrafishGNPTAB	YRDNVAGKSFQTRLCLPMPIDVVYTWVNGTDINLLKDLRAVRQRLEEEQKALRERLGKNG	120

humanGNPTAB	TEPTKKSEKQLECLLTHCIKVPMLVLDPALPANITLKDLPSLYPSFHSASDIFNVAKPKN	175
mouseGNPTAB	TEPTKKSEKQLECLLTHCIKVPMLVLDPPLPANCTLKDLPTLYPSFHAASDMFNVAKPKN	175
zebrafishGNPTAB	SEITEAPKGRPECLLSHCIMGPVLVLDPALPANITVKELPTLSAAFSSAKELLQVAKPLH	180
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humanGNPTAB	PSTNVSVVVFDSTKDVEDAHSGLLKGNSRQTVWRGYLTTDKEVPGLVLMQDLAFLSGFPP	235
mouseGNPTAB	PSTNVSVVVFDTTKDVEDAHAGPFKGGSKQMVWRAYLTTDKEAPGLVLMQGLAFLSGFPP	235
zebrafishGNPTAB	PSSSVTALLFHSHTEAEKAHADALKDLLTHSISRGYLTTDKEAPGLVRMHTLAYLSGFPA	240
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humanGNPTAB	TFKETNQLKTKLPENLSSKVKLLQLYSEASVALLKLNNPKDFQELNKQTKKNMTIDGKEL	295
mouseGNPTAB	TFKETSQLKTKLPEKLSSKIKLLRLYSEASVALLKLNNPKGFQELNKQTKKNMTIDGKEL	295
zebrafishGNPTAB	${\tt SLKETEQLRVKLPAVVTSKTKKLQLYSEASIALLHLNTAQDFTDLTQQAKKNLTLDGKEL}$	300
	• • * * • * * • • * * * * * * * * * * *	
humanGNPTAB	TISPAYLLWDLSAISQSKQDEDISASRFEDNEELRYSLRSIERHAPWVRNIFIVTNGQIP	355
mouseGNPTAB	TISPAYLLWDLSAISQSKQDEDVSASRFEDNEELRYSLRSIERHAPWVRNIFIVTNGQIP	355
zebrafishGNPTAB	TVSSAFLFWDLTAISQSKQDEDVSASRFEDNEELRYSLRSIEKHAPWVRHIFIVTNGQIP	360
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humanGNPTAB	SWLNLDNPRVTIVTHQDVFRNLSHLPTFSSPAIESHIHRIEGLSQKFIYLNDDVMFGKDV	415
mouseGNPTAB	SWLNLDNPRVTIVTHQDIFQNLSHLPTFSSPAIESHIHRIEGLSQKFIYLNDDVMFGKDV	
zebrafishGNPTAB	SWLNLDNPRVSVVTHQDIFQNQTHLPTFSSPAIETHIHRIPGLSQKFIYLNDDVMFGKDV	420
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humanGNPTAB	WPDDFYSHSKGQKVYLTWPVPNCAEGCPGSWIKDGYCDKACNNSACDWDGGDCSGNSGGS	475
mouseGNPTAB	WPDDFYSHSKGQKVYLTWPVPNCAEGCPGSWIKDGYCDKACNNSACDWDGGDCSGNTAGN	
zebrafishGNPTAB	WPDDFYSHSKGQKVYLTWPVPNCAEGCPGSWIKDGYCDKACNNSACDWDGGDCQGSSR	478

humanGNPTAB	RYIAGGGGTGSIGVGQPWQFGGGINSVSYCNQGCANSWLADKFCDQACNVLSCGFDA	532
mouseGNPTAB	RFVAGGGGTGNIGAGQHWQFGGGINTISYCNQGCANSWLADKFCDQACNVLSCGFDA	
zebrafishGNPTAB	FGGAGGSVIGGGQPWQFAGGLGGLAGMSFCNQGCANSWLADKFCDQACNVLACGFDV	535
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humanGNPTAB	GDCGQDHFHELYKVILLPNQTHYIIPKGECLPYFSFAEVAKRGVEGAYSDNPIIRHASIA	592
mouseGNPTAB	GDCGQDHFHELYKVTLLPNQTHYVVPKGEYLSYFSFANIARRGVEGTYSDNPIIRHASIA	
zebrafishGNPTAB	GDCGQDNLNQLHRIVLRRNQTLYTLPQGELRPYFSFSGLANRVSEAHVADNQVLRHTSVA	595

humanGNPTAB	NKWKTIHLIMHSGMNATTIHFNLTFQNTNDEEFKMQITVEVDTREGPKLN-STAQKGYEN	
mouseGNPTAB	NKWKTIHLIMHSGMNATTIYFNLTLQNANDEEFKIQIAVEVDTREAPKLN-STTQKAYES	
zebrafishGNPTAB	NKWKTIHLLLLPGHNATQIHYNITFQSTDHHDFIMTFSVSVDTRELPKSNTSTPVRDKEE ******* ** * * * * * * * * * * * * *	655

LVSPITLLPEAEILFEDIPKEKRFPKFKRHDVNSTRRAQEEVKIPLVNISLLPKDAQLSL 711

humanGNPTAB

mouseGNPTAB	LVSPVTPLPQADVPFEDVPKEKRFPKIRRHDVNATGRFQEEVKIPRVNISLLPKEAQVRL	711
zebrafishGNPTAB	EPKPTVATPEPEVPFEAVPKEKQGPKVREQTHGDVQVPVLNETLLPDEVKIEL	
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humanGNPTAB	NTLDLQLEHGDITLKGYNLSKSALLRSFLMNSQHAKIKNQAIITDETNDSLVAPQEKQVH	771
mouseGNPTAB	SNLDLQLERGDITLKGYNLSKSALLRSFLGNSLDTKIKPQAR-TDETKGNLEVPQENPSH	770
zebrafishGNPTAB	KKLNEKLMSGDITIKGFNLTKAMLLEPYKEKDQFTLKHEKDKEEKQKLSPVAQLQNE	765
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humanGNPTAB	KSILPNSLGVSERLQRLTFPAVSVKVNGHDQGQNPPLDLETTARFRVETHTQKTIGGNVT	831
mouseGNPTAB	RRPHGFAGEHRSERWTAPAETVTVKGRDHALNPPPVLETNARLAQPTLGVTVS	823
zebrafishGNPTAB	RAAARVKREKGENVDQLKPVAPSLVPVQIDDVTTKAQSRLFNIE	809
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human CNDEAD	VEVDDCI TUDI ECOMEVEVVI ECVEVENCIMENIA ENUI CUMEUI I CDVI OUVED. CVI C	000
humanGNPTAB mouseGNPTAB	KEKPPSLIVPLESQMTKEKKITGKEKENSRMEENAENHIGVTEVLLGRKLQHYTD-SYLG KENLSPLIVPPESHLPKEEESDRAEGNAVPVKELVPGRRLQQNYPG	890 869
zebrafishGNPTAB	KPHMFHLLSNLKGNLSKERDSDSEGHLRERPTGRRLQFYSDSLNRG	855
ZebrarishanFiab	* : *: :::.**	033
humanGNPTAB	FLPWEKKKYFQDLLDEEESLKTQLAYFTDSKNTGRQLKDTFADSLRYVNKILNSKFGFTS	950
mouseGNPTAB	FLPWEKKKYFQDLLDEEESLKTQLAYFTDSKHTGRQLKDTFADSLRYVNKILNSKFGFTS	929
zebrafishGNPTAB	FLPWEKRKFFQDLMEEVNRLQTELQYTADRTATGRRLQDTFADSLRYVNRLLNAQFGFTS	915

humanGNPTAB	RKVPAHMPHMIDRIVMQELQDMFPEEFDKTSFHKVRHSEDMQFAFSYFYYLMSAVQPLNI	1010
mouseGNPTAB	${\tt RKVPAHMPHMIDRIVMQELQDMFPEEFDKTSFHKVRHSEDMQFAFSYFYYLMSAVQPLNI}$	989
${\tt zebrafishGNPTAB}$	${\tt RKVPAHMPHMIDRLIMQELQDTFPQEFDKTSSHRVRHSEDMQFAFSYFYFLMSAVQQLNI}$	975

humanGNPTAB	SQVFDEVDTDQSGVLSDREIRTLATRIHELPLSLQDLTGLEHMLINCSKMLPADITQLNN	
mouseGNPTAB	SQVFHEVDTDQSGVLSDREIRTLATRIHDLPLSLQDLTGLEHMLINCSKMLPANITQLNN	1049
zebrafishGNPTAB	SEVFDEIDTDHSGVLSDREIRTLATRIHELPLSLQDLTSLEQMLINCSKSLPSNLTHLHA *:**.*:*******************************	1035
	*:**.*:**** ***************************	
humanGNPTAB	IPPTQESYYDPNLPPVTKSLVTNCKPVTDKIHKAYKDKNKYRFEIMGEEEIAFKMIRTNV	1130
mouseGNPTAB	IPPTOEAYYDPNLPPVTKSLVTNCKPVTDKIHKAYKDKNKYRFEIMGEEEIAFKMIRTNV	1109
zebrafishGNPTAB	VSPTQEAYYDPSMPPVTKGLVIHCKPITERIHKAFKDQNKYKFEIMGEEEIAFKMIRTNV	
	• **** **** **** ** *** ** ** ** ** ** *	1000
humanGNPTAB	SHVVGQLDDIRKNPRKFVCLNDNIDHNHKDAQTVKAVLRDFYESMFPIPSQFELPREYRN	1190
mouseGNPTAB	SHVVGQLDDIRKNPRKFVCLNDNIDHNHKDARTVKAVLRDFYESMFPIPSQFELPREYRN	1169
zebrafishGNPTAB	SHVVGQLDDIRKNPRKFICLNDNIDHIHKDAGTVKAVLRDFYESMFPLPSQFELPREYRN	1155

humanGNPTAB	RFLHMHELQEWRAYRDKLKFWTHCVLATLIMFTIFSFFAEQLIALKRKIFPRRRIHKEAS	1250
mouseGNPTAB	RFLHMHELQEWRAYRDKLKFWTHCVLATLIIFTIFSFFAEQIIALKRKIFPRRRIHKEAS	1229
zebrafishGNPTAB	RFLHMTELQEWRIYRDKLKFWTHCVLVTLVVFTVMSFFAEQLVMLKRWLFPRRRVSKDAN	1215
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human CNIDETA D	DNDTDV 1256	
humanGNPTAB mouseGNPTAB	PNRIRV 1256 PDRIRV 1235	
mouseGNPTAB zebrafishGNPTAB	PERV 1219	
ZEDIGITABIIGNETAD	****	

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