

<p>QUERY UniRef90_V5Z4H3 UniRef90_X8LKC1 UniRef90_W8V366 UniRef90_S3IMC7 UniRef90_Q7NVC1 UniRef90_Q2NVJ2 UniRef90_A2S1N1 UniRef90_UPI0002DD7F98 UniRef90UPI000366E3B4 UniRef90_B2XU12 UniRef90_M3D592 UniRef90_D4IBA1 UniRef90_S6HA23 UniRef90_R9NL11 UniRef90_J0G5N4 UniRef90UPI0002892E23 UniRef90UPI0002D6FC6B UniRef90_V5Z7Q4 UniRef90_D2TZ28 UniRef90_B2VEF9 UniRef90_U1A9N9 UniRef90UPI000464CDFAF UniRef90_B1FB88 UniRef90_D2UDE3 UniRef90_F5MNT4 UniRef90UPI0004756D5D UniRef90_V5PX27 UniRef90_A0A024RJJ8 UniRef90_S5U3E7 UniRef90_C4S9D7 UniRef90UPI000348F762 UniRef90_F4NJ61 UniRef90_V7YL90 UniRef90_D2TZU7 UniRef90_K1LS7 UniRef90_I8JSC3 UniRef90_U1L066 UniRef90_C4K5N4 UniRef90UPI00046A2B15 UniRef90_U7QX38 UniRef90_U3AKN6 UniRef90_E3BLT1 UniRef90_Q699P8 UniRef90UPI00030E4EA3 UniRef90_N9VDP5 UniRef90_P95434 UniRef90_K8WT23 UniRef90_D1P132 UniRef90_D2TXM8 UniRef90_C4UAQ1 UniRef90_K8WJX0 UniRef90_A0A034UQP2 UniRef90_I0DU12 UniRef90_A8T5N5 UniRef90_S2K134 UniRef90_L8JG82 UniRef90_C4UME6</p>	<table border="0"> <tr><td>1</td><td>D</td><td>G</td><td>T</td><td>Q</td><td>T</td><td>□</td><td>Q</td><td>G</td><td>E</td><td>L</td><td>T</td><td>□</td><td>A</td><td>□</td><td>D</td><td>K</td><td>□</td><td>A</td><td>K</td><td>N</td><td>P</td><td>S</td><td>N</td><td>P</td><td>Q</td><td>□</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>T</td><td>L</td></tr> <tr><td>10</td><td>E</td><td>A</td><td>G</td><td>A</td><td>K</td><td>D</td><td>M</td><td>M</td><td>T</td><td>E</td><td>L</td><td>N</td><td>K</td><td>A</td><td>E</td><td>E</td><td>A</td><td>L</td><td>E</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>P</td><td>A</td><td>V</td><td>L</td><td>A</td><td>R</td><td>Y</td><td>Q</td><td>A</td><td>K</td><td>□</td><td>Q</td><td>E</td><td>Y</td><td>T</td><td>L</td></tr> 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<tr><td>40</td><td>D</td><td>E</td><td>G</td><td>□</td><td>V</td><td>T</td><td>E</td><td>L</td><td>N</td><td>N</td><td>E</td><td>L</td><td>T</td><td>D</td><td>A</td><td>L</td><td>T</td><td>E</td><td>L</td><td>T</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>P</td><td>Q</td><td>L</td><td>L</td><td>A</td><td>Q</td><td>Y</td><td>Q</td><td>S</td><td>R</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>T</td><td>L</td></tr> <tr><td>50</td><td>D</td><td>Q</td><td>G</td><td>V</td><td>Q</td><td>D</td><td>□</td><td>H</td><td>G</td><td>A</td><td>V</td><td>E</td><td>Q</td><td>A</td><td>□</td><td>K</td><td>D</td><td>L</td><td>S</td><td>A</td><td>T</td><td>P</td><td>S</td><td>D</td><td>P</td><td>K</td><td>L</td><td>L</td><td>A</td><td>K</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>60</td><td>D</td><td>T</td><td>G</td><td>A</td><td>Q</td><td>T</td><td>M</td><td>M</td><td>E</td><td>Q</td><td>L</td><td>E</td><td>T</td><td>A</td><td>R</td><td>K</td><td>A</td><td>L</td><td>S</td><td>D</td><td>A</td><td>P</td><td>D</td><td>N</td><td>P</td><td>S</td><td>V</td><td>L</td><td>A</td><td>E</td><td>F</td><td>Q</td><td>A</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>T</td><td>L</td></tr> <tr><td>70</td><td>D</td><td>D</td><td>G</td><td>V</td><td>K</td><td>D</td><td>□</td><td>N</td><td>K</td><td>Q</td><td>L</td><td>Q</td><td>D</td><td>A</td><td>Q</td><td>A</td><td>N</td><td>L</td><td>T</td><td>K</td><td>N</td><td>P</td><td>S</td><td>D</td><td>P</td><td>T</td><td>A</td><td>L</td><td>A</td><td>N</td><td>Y</td><td>Q</td><td>M</td><td>□</td><td>I</td><td>M</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>80</td><td>E</td><td>A</td><td>G</td><td>A</td><td>K</td><td>D</td><td>L</td><td>K</td><td>D</td><td>K</td><td>L</td><td>D</td><td>A</td><td>A</td><td>L</td><td>K</td><td>A</td><td>L</td><td>E</td><td>G</td><td>N</td><td>A</td><td>S</td><td>D</td><td>P</td><td>S</td><td>L</td><td>L</td><td>A</td><td>K</td><td>Y</td><td>Q</td><td>S</td><td>A</td><td>F</td><td>S</td><td>S</td><td>Y</td><td>T</td><td>V</td></tr> <tr><td>90</td><td>E</td><td>D</td><td>G</td><td>A</td><td>K</td><td>Q</td><td>L</td><td>K</td><td>E</td><td>I</td><td>L</td><td>D</td><td>K</td><td>A</td><td>L</td><td>T</td><td>E</td><td>L</td><td>K</td><td>D</td><td>N</td><td>P</td><td>S</td><td>D</td><td>P</td><td>G</td><td>L</td><td>L</td><td>A</td><td>A</td><td>Y</td><td>Q</td><td>T</td><td>A</td><td>F</td><td>S</td><td>S</td><td>Y</td><td>T</td><td>V</td></tr> <tr><td>100</td><td>D</td><td>Q</td><td>G</td><td>V</td><td>D</td><td>D</td><td>L</td><td>N</td><td>Q</td><td>Q</td><td>V</td><td>E</td><td>K</td><td>A</td><td>L</td><td>E</td><td>D</td><td>L</td><td>A</td><td>T</td><td>N</td><td>P</td><td>S</td><td>D</td><td>P</td><td>K</td><td>F</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>A</td><td>L</td><td>E</td><td>Y</td><td>T</td><td>L</td></tr> <tr><td>110</td><td>E</td><td>E</td><td>G</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>R</td><td>L</td><td>D</td><td>Q</td><td>A</td><td>L</td><td>E</td><td>V</td><td>L</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>P</td><td>G</td><td>N</td><td>L</td><td>L</td><td>A</td><td>A</td><td>Y</td><td>Q</td><td>S</td><td>A</td><td>L</td><td>S</td><td>E</td><td>Y</td><td>T</td><td>L</td></tr> <tr><td>120</td><td>E</td><td>D</td><td>G</td><td>A</td><td>T</td><td>D</td><td>□</td><td>K</td><td>T</td><td>K</td><td>L</td><td>D</td><td>E</td><td>A</td><td>L</td><td>L</td><td>H</td><td>A</td><td>D</td><td>A</td><td>S</td><td>D</td><td>P</td><td>T</td><td>L</td><td>L</td><td>A</td><td>A</td><td>Y</td><td>Q</td><td>A</td><td>A</td><td>F</td><td>S</td><td>S</td><td>Y</td><td>N</td><td>V</td></tr> <tr><td>130</td><td>E</td><td>S</td><td>G</td><td>A</td><td>□</td><td>D</td><td>M</td><td>M</td><td>N</td><td>A</td><td>L</td><td>N</td><td>A</td><td>A</td><td>L</td><td>E</td><td>Q</td><td>L</td><td>K</td><td>Q</td><td>D</td><td>P</td><td>S</td><td>N</td><td>P</td><td>S</td><td>V</td><td>L</td><td>A</td><td>N</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>Q</td><td>E</td><td>Y</td><td>T</td><td>L</td></tr> <tr><td>140</td><td>D</td><td>N</td><td>G</td><td>V</td><td>K</td><td>E</td><td>M</td><td>N</td><td>T</td><td>A</td><td>N</td><td>T</td><td>N</td><td>T</td><td>L</td><td>G</td><td>E</td><td>L</td><td>T</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>M</td><td>P</td><td>L</td><td>L</td><td>A</td><td>K</td><td>Y</td><td>Q</td><td>S</td><td>L</td><td>S</td><td>E</td><td>Y</td><td>T</td><td>L</td></tr> <tr><td>150</td><td>E</td><td>S</td><td>G</td><td>A</td><td>K</td><td>N</td><td>M</td><td>M</td><td>S</td><td>E</td><td>L</td><td>Q</td><td>S</td><td>A</td><td>L</td><td>E</td><td>K</td><td>L</td><td>E</td><td>A</td><td>D</td><td>P</td><td>S</td><td>N</td><td>P</td><td>S</td><td>V</td><td>L</td><td>A</td><td>N</td><td>Y</td><td>Q</td><td>A</td><td>K</td><td>□</td><td>Q</td><td>E</td><td>Y</td><td>T</td><td>L</td></tr> <tr><td>160</td><td>A</td><td>G</td><td>V</td><td>G</td><td>S</td><td>L</td><td>S</td><td>S</td><td>D</td><td>L</td><td>D</td><td>A</td><td>A</td><td>L</td><td>T</td><td>L</td><td>Q</td><td>S</td><td>D</td><td>P</td><td>S</td><td>S</td><td>P</td><td>A</td><td>A</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>A</td><td>L</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>170</td><td>D</td><td>A</td><td>G</td><td>V</td><td>G</td><td>V</td><td>L</td><td>S</td><td>T</td><td>T</td><td>L</td><td>Q</td><td>S</td><td>A</td><td>L</td><td>S</td><td>T</td><td>L</td><td>Q</td><td>T</td><td>S</td><td>D</td><td>P</td><td>N</td><td>Y</td><td>L</td><td>L</td><td>A</td><td>S</td><td>Y</td><td>Q</td><td>E</td><td>V</td><td>□</td><td>M</td><td>S</td><td>D</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>180</td><td>N</td><td>G</td><td>V</td><td>G</td><td>S</td><td>L</td><td>G</td><td>S</td><td>A</td><td>L</td><td>T</td><td>A</td><td>A</td><td>Q</td><td>Q</td><td>A</td><td>L</td><td>E</td><td>A</td><td>N</td><td>P</td><td>S</td><td>D</td><td>P</td><td>A</td><td>A</td><td>L</td><td>A</td><td>S</td><td>Y</td><td>Q</td><td>A</td><td>V</td><td>L</td><td>S</td><td>D</td><td>Y</td><td>T</td><td>I</td></tr> <tr><td>190</td><td>K</td><td>G</td><td>A</td><td>T</td><td>D</td><td>□</td><td>N</td><td>K</td><td>K</td><td>L</td><td>K</td><td>D</td><td>A</td><td>L</td><td>D</td><td>K</td><td>K</td><td>L</td><td>A</td><td>K</td><td>N</td><td>P</td><td>S</td><td>N</td><td>P</td><td>Q</td><td>L</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>T</td><td>L</td></tr> <tr><td>200</td><td>D</td><td>D</td><td>K</td><td>V</td><td>S</td><td>D</td><td>L</td><td>Q</td><td>E</td><td>R</td><td>L</td><td>Q</td><td>E</td><td>A</td><td>M</td><td>E</td><td>A</td><td>M</td><td>K</td><td>N</td><td>D</td><td>N</td><td>P</td><td>A</td><td>L</td><td>A</td><td>E</td><td>L</td><td>Q</td><td>H</td><td>K</td><td>I</td><td>N</td><td>K</td><td>W</td><td>S</td><td>V</td></tr> <tr><td>210</td><td>D</td><td>D</td><td>K</td><td>V</td><td>T</td><td>E</td><td>E</td><td>E</td><td>K</td><td>□</td><td>R</td><td>K</td><td>E</td><td>M</td><td>E</td><td>S</td><td>G</td><td>A</td><td>S</td><td>D</td><td>P</td><td>T</td><td>L</td><td>L</td><td>A</td><td>H</td><td>Y</td><td>Q</td><td>S</td><td>V</td><td>L</td><td>G</td><td>D</td><td>Y</td><td>T</td><td>T</td></tr> <tr><td>220</td><td>G</td><td>K</td><td>L</td><td>H</td><td>T</td><td>E</td><td>E</td><td>E</td><td>K</td><td>□</td><td>R</td><td>K</td><td>E</td><td>M</td><td>E</td><td>S</td><td>G</td><td>A</td><td>S</td><td>D</td><td>P</td><td>T</td><td>L</td><td>L</td><td>A</td><td>R</td><td>Y</td><td>Q</td><td>A</td><td>V</td><td>T</td><td>S</td><td>E</td><td>L</td><td>S</td><td>I</td></tr> <tr><td>230</td><td>V</td><td>K</td><td>T</td><td>Q</td><td>S</td><td>Y</td><td>E</td><td>L</td><td>S</td><td>E</td><td>A</td><td>L</td><td>E</td><td>A</td><td>L</td><td>K</td><td>A</td><td>D</td><td>T</td><td>S</td><td>N</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>A</td><td>K</td><td>□</td><td>A</td><td>E</td><td>Y</td><td>N</td><td>I</td></tr> <tr><td>240</td><td>V</td><td>K</td><td>E</td><td>L</td><td>A</td><td>D</td><td>E</td><td>L</td><td>K</td><td>T</td><td>A</td><td>L</td><td>S</td><td>D</td><td>K</td><td>N</td><td>N</td><td>E</td><td>M</td><td>D</td><td>N</td><td>P</td><td>I</td><td>V</td><td>L</td><td>A</td><td>K</td><td>I</td><td>S</td><td>A</td><td>L</td><td>N</td><td>G</td><td>H</td><td>Y</td><td>N</td><td>G</td></tr> <tr><td>250</td><td>D</td><td>S</td><td>R</td><td>V</td><td>V</td><td>E</td><td>L</td><td>N</td><td>S</td><td>E</td><td>L</td><td>A</td><td>A</td><td>A</td><td>L</td><td>L</td><td>L</td><td>Q</td><td>G</td><td>D</td><td>S</td><td>D</td><td>P</td><td>T</td><td>L</td><td>L</td><td>A</td><td>K</td><td>Y</td><td>Q</td><td>S</td><td>L</td><td>S</td><td>S</td><td>D</td><td>Y</td><td>Q</td><td>V</td></tr> <tr><td>260</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>270</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>280</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>290</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>300</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>310</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>320</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>330</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>340</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>350</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>360</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>370</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>380</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>390</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>400</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>410</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>420</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>430</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>440</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>450</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>460</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>470</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td>D</td><td>L</td><td>A</td><td>E</td><td>Y</td><td>Q</td><td>S</td><td>K</td><td>□</td><td>S</td><td>E</td><td>Y</td><td>N</td><td>L</td></tr> <tr><td>480</td><td>T</td><td>K</td><td>S</td><td>S</td><td>E</td><td>Y</td><td>Q</td><td>T</td><td>D</td><td>□</td><td>N</td><td>N</td><td>E</td><td>N</td><td>N</td><td>A</td><td>V</td><td>R</td><td>□</td><td>K</td><td>K</td><td>D</td><td>P</td><td>S</td><td>N</td><td>S</td><td>A</td><td</tr></table>	1	D	G	T	Q	T	□	Q	G	E	L	T	□	A	□	D	K	□	A	K	N	P	S	N	P	Q	□	L	A	E	Y	Q	S	K	□	S	E	Y	T	L	10	E	A	G	A	K	D	M	M	T	E	L	N	K	A	E	E	A	L	E	K	D	P	S	N	P	A	V	L	A	R	Y	Q	A	K	□	Q	E	Y	T	L	20	D	Q	G	□	K	D	□	Q	G	Q	I	D	E	A	□	K	N	L	A	A	R	P	S	D	P	A	L	L	A	Q	Y	Q	S	K	□	S	E	Y	N	L	30	E	A	G	A	K	S	M	M	D	E	L	K	D	A	Q	K	A	L	E	K	D	P	S	D	P	S	V	L	A	N	Y	Q	A	K	□	Q	Q	Y	T	L	40	D	E	G	□	V	T	E	L	N	N	E	L	T	D	A	L	T	E	L	T	K	D	P	S	N	P	Q	L	L	A	Q	Y	Q	S	R	□	S	E	Y	T	L	50	D	Q	G	V	Q	D	□	H	G	A	V	E	Q	A	□	K	D	L	S	A	T	P	S	D	P	K	L	L	A	K	Y	Q	S	K	□	S	E	Y	N	L	60	D	T	G	A	Q	T	M	M	E	Q	L	E	T	A	R	K	A	L	S	D	A	P	D	N	P	S	V	L	A	E	F	Q	A	K	□	S	E	Y	T	L	70	D	D	G	V	K	D	□	N	K	Q	L	Q	D	A	Q	A	N	L	T	K	N	P	S	D	P	T	A	L	A	N	Y	Q	M	□	I	M	S	E	Y	N	L	80	E	A	G	A	K	D	L	K	D	K	L	D	A	A	L	K	A	L	E	G	N	A	S	D	P	S	L	L	A	K	Y	Q	S	A	F	S	S	Y	T	V	90	E	D	G	A	K	Q	L	K	E	I	L	D	K	A	L	T	E	L	K	D	N	P	S	D	P	G	L	L	A	A	Y	Q	T	A	F	S	S	Y	T	V	100	D	Q	G	V	D	D	L	N	Q	Q	V	E	K	A	L	E	D	L	A	T	N	P	S	D	P	K	F	L	A	E	Y	Q	S	A	L	E	Y	T	L	110	E	E	G	Q	T	D	□	R	L	D	Q	A	L	E	V	L	K	D	P	S	N	P	G	N	L	L	A	A	Y	Q	S	A	L	S	E	Y	T	L	120	E	D	G	A	T	D	□	K	T	K	L	D	E	A	L	L	H	A	D	A	S	D	P	T	L	L	A	A	Y	Q	A	A	F	S	S	Y	N	V	130	E	S	G	A	□	D	M	M	N	A	L	N	A	A	L	E	Q	L	K	Q	D	P	S	N	P	S	V	L	A	N	Y	Q	S	K	□	Q	E	Y	T	L	140	D	N	G	V	K	E	M	N	T	A	N	T	N	T	L	G	E	L	T	K	D	P	S	N	M	P	L	L	A	K	Y	Q	S	L	S	E	Y	T	L	150	E	S	G	A	K	N	M	M	S	E	L	Q	S	A	L	E	K	L	E	A	D	P	S	N	P	S	V	L	A	N	Y	Q	A	K	□	Q	E	Y	T	L	160	A	G	V	G	S	L	S	S	D	L	D	A	A	L	T	L	Q	S	D	P	S	S	P	A	A	L	A	E	Y	Q	S	A	L	S	E	Y	N	L	170	D	A	G	V	G	V	L	S	T	T	L	Q	S	A	L	S	T	L	Q	T	S	D	P	N	Y	L	L	A	S	Y	Q	E	V	□	M	S	D	Y	N	L	180	N	G	V	G	S	L	G	S	A	L	T	A	A	Q	Q	A	L	E	A	N	P	S	D	P	A	A	L	A	S	Y	Q	A	V	L	S	D	Y	T	I	190	K	G	A	T	D	□	N	K	K	L	K	D	A	L	D	K	K	L	A	K	N	P	S	N	P	Q	L	L	A	E	Y	Q	S	K	□	S	E	Y	T	L	200	D	D	K	V	S	D	L	Q	E	R	L	Q	E	A	M	E	A	M	K	N	D	N	P	A	L	A	E	L	Q	H	K	I	N	K	W	S	V	210	D	D	K	V	T	E	E	E	K	□	R	K	E	M	E	S	G	A	S	D	P	T	L	L	A	H	Y	Q	S	V	L	G	D	Y	T	T	220	G	K	L	H	T	E	E	E	K	□	R	K	E	M	E	S	G	A	S	D	P	T	L	L	A	R	Y	Q	A	V	T	S	E	L	S	I	230	V	K	T	Q	S	Y	E	L	S	E	A	L	E	A	L	K	A	D	T	S	N	A	A	A	A	A	A	E	Y	Q	A	K	□	A	E	Y	N	I	240	V	K	E	L	A	D	E	L	K	T	A	L	S	D	K	N	N	E	M	D	N	P	I	V	L	A	K	I	S	A	L	N	G	H	Y	N	G	250	D	S	R	V	V	E	L	N	S	E	L	A	A	A	L	L	L	Q	G	D	S	D	P	T	L	L	A	K	Y	Q	S	L	S	S	D	Y	Q	V	260	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	270	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	280	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	290	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	300	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	310	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	320	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	330	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	340	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	350	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	360	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	370	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	380	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	390	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	400	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	410	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	420	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	430	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	440	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	450	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	460	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	470	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A	D	L	A	E	Y	Q	S	K	□	S	E	Y	N	L	480	T	K	S	S	E	Y	Q	T	D	□	N	N	E	N	N	A	V	R	□	K	K	D	P	S	N	S	A
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QUERY	Y	R	N	A	Q	S	N	T	V	K	V	I	K	D	V	D	A	A
UniRef90_V5Z4H3	F	R	N	A	Q	T	S	T	V	K	A	Y	K	D	I	G	A	A
UniRef90_X8LKC1	Y	R	N	A	Q	S	N	T	V	K	V	I	K	D	I	D	A	A
UniRef90_W8V366	F	R	N	A	Q	T	S	T	V	K	A	Y	K	D	I	G	A	A
UniRef90_S3IMC7	Y	R	N	A	Q	S	N	V	V	K	V	Y	K	D	V	A	S	A
UniRef90_Q7NVC1	Y	R	N	A	Q	S	N	A	V	K	A	F	K	D	I	D	A	A
UniRef90_Q2NVJ2	F	R	N	A	Q	S	T	S	V	K	T	F	K	D	I	G	A	A
UniRef90_A2S1N1	Y	R	N	A	Q	S	S	A	V	K	S	M	K	D	I	D	S	S
UniRef90_UPI0002DD7F98	F	R	N	A	Q	T	N	T	I	K	G	F	K	D	I	D	M	S
UniRef90_UPI000366E3B4	F	R	N	V	Q	T	N	T	I	K	G	F	K	D	I	D	M	S
UniRef90_B2XU12	Y	R	N	A	Q	S	N	V	V	K	A	Y	K	D	I	D	S	A
UniRef90_M3D592	Y	K	N	A	Q	S	N	V	V	K	F	R	D	I	D	Q	G	I
UniRef90_D4IBA1	F	R	N	A	Q	T	S	T	I	K	A	Y	K	D	I	A	A	A
UniRef90_S6HA23	F	R	N	A	Q	T	N	T	I	K	G	F	K	D	I	D	M	A
UniRef90_R9NL11	F	R	S	A	Q	T	A	V	V	K	A	Y	K	D	I	G	S	N
UniRef90_JOG5N4	F	R	N	A	Q	T	T	T	L	K	V	Y	K	D	I	G	S	A
UniRef90_UPI0002892E23	F	R	N	V	Q	T	N	T	V	K	G	F	K	D	I	T	S	Q
UniRef90_UPI0002D6FC6B	F	R	N	V	V	A	T	N	T	V	K	G	F	K	E	I	D	T
UniRef90_V5Z7Q4	F	R	G	A	Q	S	S	A	V	K	A	Y	G	S	I	G	K	E
UniRef90_D2TZ28	Y	R	N	L	Q	S	N	V	I	K	A	L	Q	K	D	V	D	S
UniRef90_B2VEF9	F	R	S	A	Q	S	S	T	I	K	A	Y	S	S	I	C	Y	K
UniRef90_U1A9N9	Y	R	N	A	Q	S	N	V	V	K	A	F	K	D	I	D	A	A
UniRef90_UPI000464CDFAF	F	R	N	A	Q	S	S	A	V	K	A	M	K	D	I	D	S	D
UniRef90_B1FB88	F	R	N	A	Q	T	S	S	V	K	A	M	K	D	I	D	S	S
UniRef90_D2UDE3	F	R	N	A	Q	S	S	A	V	K	A	M	K	D	I	D	T	T
UniRef90_F5MNT4	F	R	Y	N	A	Q	S	N	T	V	K	V	I	K	D	I	D	A
UniRef90_UPI0004756D5D	F	C	M	R	S	A	Q	S	S	T	I	K	A	Y	S	I	A	S
UniRef90_V5PX79	M	R	S	A	Q	S	S	A	V	K	S	M	K	E	I	A	Q	G
UniRef90_A0A024RJJ8	A	R	N	A	Q	S	S	V	I	K	M	F	K	D	I	D	S	G
UniRef90_S5U3E7	T	R	N	A	Q	S	T	S	I	K	V	I	K	D	L	A	M	S
UniRef90_C4S9D7	A	R	Q	A	Q	S	N	I	M	K	S	V	K	D	I	T	S	Q
UniRef90_UPI000348F762	Y	R	Q	T	Q	S	S	V	V	K	S	Y	K	D	I	V	A	T
UniRef90_F4NJ61	Y	R	N	A	Q	S	S	V	V	K	A	Y	K	D	I	D	S	A
UniRef90_V7YL90	Y	R	N	A	Q	S	N	T	V	K	V	F	K	D	I	D	A	A
UniRef90_D2TZU7	L	L	N	Y	I	S	T	T	I	K	T	H	K	E	N	A	Q	T
UniRef90_K1ILS7	I	Y	N	I	N	S	T	V	T	R	A	M	K	D	L	M	Q	G
UniRef90_8JCS3	I	Y	N	I	N	S	T	V	T	R	S	M	K	D	L	M	Q	G
UniRef90_U1L066	V	M	S	L	V	A	T	V	Q	K	S	I	K	D	A	M	S	T
UniRef90_C4K5N4	M	I	N	A	Q	T	N	A	I	K	K	F	T	D	N	A	M	A
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UniRef90_U7QX38	I	Y	N	I	N	S	T	V	T	R	S	M	K	D	L	M	Q	G
UniRef90_U3AKN6	I	Y	N	I	A	S	T	T	T	R	S	I	K	D	V	M	Q	S
UniRef90_E3BLT1	T	F	N	L	S	A	T	T	T	R	A	I	K	D	V	M	Q	S
UniRef90_Q699P8	I	Y	N	I	N	S	T	V	T	R	A	I	K	D	M	M	Q	S
UniRef90_UPI00030E4EA3	V	Y	N	I	N	S	T	T	T	R	A	I	K	D	V	M	Q	S
UniRef90_N9VDP5	V	F	N	I	N	S	T	V	T	R	A	M	K	D	L	M	Q	G
UniRef90_P95434	I	Y	N	I	N	S	T	V	T	R	A	L	R	D	L	M	Q	G
UniRef90_K8WT23	A	R	Q	L	Q	S	N	F	M	K	S	I	K	D	T	D	Q	A
UniRef90_D1P132	A	R	Q	L	Q	S	N	T	V	M	K	S	I	K	D	A	A	Q
UniRef90_D2TXM8	I	F	N	M	N	S	T	I	T	R	S	M	R	D	M	I	Q	S
UniRef90_C4UAQ1	S	R	Q	L	Q	S	N	L	I	K	S	L	K	D	T	S	Q	A
UniRef90_K8WJX0	A	R	Q	L	Q	S	N	L	M	K	S	I	K	D	T	A	Q	T
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UniRef90_I0DU12	I	Y	N	I	N	A	T	T	T	R	A	I	K	D	V	M	Q	S
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UniRef90_L8JG82	L	R	N	I	N	S	T	A	K	N	L	D	K	D	L	V	M	G
UniRef90_C4UME6	L	R	N	I	N	S	T	A	K	N	L	D	K	D	L	V	M	G

lupas_21
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lupas_28
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ipssm