

(A)

OTTMUSG00000019784 (noveldef) MKTLVLLSALFLLAFVQADPIQKTDEETNTVEQPPEEEQAMSVSFGNPE 50
Decfr26 (OTTMUSG00000019889) MKTLVLLSALFLLAFVQADPIQNTDEETNTVEQPQEDQAVSVSFGNPE 50
Defcr25 (OTTMUSG00000019700) MKTLVLLSALALLAFVQADPIQNRDEESKID EQPGKEDQAVSVSFGDPE 50
OTTMUSG00000019896 (noveldef) MKTLVLLSALALLAFVQADPIQNRDEESKID EQPGKEDQAVSVSFGDPE 50
Defcr24 (OTTMUSG00000019980) MKTLILLSALVLLAFVQADPIQNTDEETKTEEQPGEDQAVSVSFGDPE 50
OTTMUSG00000019742 (noveldef) MKTLILLSALVLLAFVQADPIQNTDEETKTEEQPGEDQAVSVSFGDPE 50
Defcr3 (OTTMUSG00000019782) MKTLVLLSALVLLAFVQADPIQNTDEETKTEEQPGEDDQAVSVSFGDPE 50
OTTMUSG00000019892 (Defcr3dupl) MKTLVLLSALVLLAFVQADPIQNTDEETKTEEQPGEDDQAVSVSFGDPE 50
Defcr23 (OTTMUSG00000019488) MKTLVLLSALILLAFVQADPIQNTDEETKTEEQPGKEDQAVSVSFGDPE 50
OTTMUSG00000019762 (Defcr23dupl) MKTLVLLSALILLAFVQADPIQNTDEETKTEEQPGKEDQAVSVSFGDPE 50
OTTMUSG00000019785 (novelDefcr5) MKTFVLLSALVLLAFQAQADPIHKTDEETNTTEEQPGEDQAVSISFGGQE 50
OTTMUSG00000018258 (novelDefcr5) MKTFVLLSALVLLAFVQADPIHKTDEETNTTEEQPGEDQAVSISFGGQE 50
OTTMUSG00000018259 (novelDefcr5) MKTFVLLSALVLLAYVQADPIHKTDEETNTTEEQPGEDQAVSISFGGQE 50
OTTMUSG00000019924 (novelDefcr5) MKTIVLLSALVLLAFVQADPIQKTDEETNTTEEQPGEDQAVSISFGGQE 50
OTTMUSG00000019786 (noveldef) MKTFVLLSALVLLAFQAQADPIHKTDEETNTTEEQPGEDQAVSISFGGQE 50
Defcr21 (OTTMUSG00000019489) MKTLVLLSALILLAYVQTDPIQNTDEETNTTEEQPGEDDQAVSVSFGGQE 50
OTTMUSG00000019763 (noveldef) MKTLVLLSALILLAYVQTDPIQNTDEETNTTEEQPGEDQAVSVSFGGQE 50
Defcr20 (OTTMUSG00000019856) MKTLVLLSALVLLAFVQADPIQNTDEETNTTEEQPGEDQAVSVSFGDPE 50
OTTMUSG00000019860 (Defcr20dupl) MKTLVLLSALVLLAFVQADPIQNTDEETNTTEEQPGEDQAVSVSFGDPE 50
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OTTMUSG00000019784 (noveldef) GSDLQEEs---LRDLGQYCRKRGCTRRERINGTCRKGHMLMYTLCCL---- 93
Decfr26 (OTTMUSG00000019889) GSDLQEEs---LRDLGQYCRKRGCTRRERINGTCRKGHMLMYTLCCL---- 93
Defcr25 (OTTMUSG00000019700) GSSLQEEc---EDLIQYCRTRGCKRRERLNGTCRKGHMLMYLWCC--- 92
OTTMUSG00000019896 (noveldef) GSSLQEESSSALDRICYCRTS-CKKRERLNGTCRKGHMLMYLCCR---- 95
Defcr24 (OTTMUSG00000019980) GASLQEEs---LRDLVQYCRARGCKGRERMNGTCSKGHLLYMLCCR---- 93
OTTMUSG00000019742 (noveldef) GSSLQEEs---LRDLVQYCRARGCKGRERMNGTCSKGHMLMYLCCR---- 93
Defcr3 (OTTMUSG00000019782) GSSLQEEs---LRDLVQYCRKRGCKRRERMNGTCSRKGHMLMYTLCR---- 93
OTTMUSG00000019892 (Defcr3dupl) GSSLQEEs---LRDLVQYCRKRGCKRRERMNGTCSRKGHMLMYTLCR---- 93
Defcr23 (OTTMUSG00000019488) GSSLQEEs---LRDLVQYCRTRGCKRRERMNGTCSRKGHLYITLCR---- 93
OTTMUSG00000019785 (novelDefcr5) GSSLQEEs---LRDLVQYCRTRGCKRRERMNGTCSRKGHLYITLCR---- 93
OTTMUSG00000018258 (novelDefcr5) GSALHEEL---SKKLIQYCRIRGCKRRERVFGTCTRNFLTFFVCCS---- 93
OTTMUSG00000018259 (novelDefcr5) GSALHDEL---SKKLIQYCRIRGCKRRERVFGTCTRNFLTFFVCCS---- 93
OTTMUSG00000019924 (novelDefcr5) GSALHEEL---SKKLIQYCRIRGCKRRERVFGTCTRNFLTFFVCCS---- 93
OTTMUSG00000019786 (noveldef) GSALHEEL---SKKLIQYCRIRGCKRRERVFGTCTRNFLTFFVCCS---- 93
Defcr21 (OTTMUSG00000019489) GSALHEKL---SRDLICLCNRRCNRGELFYGTCA GPFL---RCCRRRR-- 93
OTTMUSG00000019763 (noveldef) GSALHEKL---SRDLICLCNRRCNRGELFYGTCA GPFL---RCCRRRR-- 93
Defcr20 (OTTMUSG00000019856) GSALHEKS---SRDLICYCRKGCCNRGEQVYGTCSGRLL---FCCRRRRH 95
OTTMUSG00000019860 (Defcr20dupl) GSALHEKS---SRDLICYCRKGCCNRGEQVYGTCSGRLL---FCCRRRRH 95
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(B)

Defcr-rs1 (OTTMUSG00000019792) MKTLVLLSALVLLAFVQADPIQNTDEETKTEEQPEEDQAVSVSFGGTE 50
OTTMUSG00000018260 (novelCRS1C) MKTLVLLSALALLAFVQADPIQNTDEETKTEEQPEEDQAVSVSFGGTE 50
OTTMUSG00000019927 (CRS1C-3) MKTLVLLSALALLAFVQADPIKNTDEETKTGEQPEEDQAVSVSFGGTE 50
OTTMUSG00000019893 (novelCRS1C) MKTLVLLSALALLALVQADPIQNTDEETKTQE QPGEDQAVSVSFGGTE 50
OTTMUSG00000019859 (novelCRS1C) MKTLVLLSALALLALVQADPIQNTDEETKTQE QPGEDQAVSVSFGGTE 50
OTTMUSG00000018344 (CRS4C-6) MKTLVLLSALVLLAFVYQADSTQETDEETKTDDQPGEDQGVSVSFEDPE 50
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Defcr-rs1 (OTTMUSG00000019792) GSALQDVAQRRFPWCRKCRVQKQKQVQKCPVCPTCPQCPKQPLCEERQN 100
OTTMUSG00000018260 (novelCRS1C) GSALQDVAQRRFLWCRKCPVQKQKQVQKCPVCPTCPQCPKQPLCEERQN 100
OTTMUSG00000019927 (CRS1C-3) GSALQYVAQRRFPWCRKCPVQKQKQVQKCPVCPTCPQCPKPLPCKERQN 100
OTTMUSG00000019893 (novelCRS1C) GSALQDVAQRRFPWCRKCRVQKQKCEVQKCPVCPTCPQCPKQPLCKERQN 100
OTTMUSG00000019859 (novelCRS1C) GSALQDVAQRRFPWCRKCRVQKQKCEVQKCPVCPTCPQCPKQPLCKERQN 100
OTTMUSG00000018344 (CRS4C-6) RYVLQVSGLGKPPQCPKCPVSKCPQCPQCPQCPGCPRCN---CMTK-- 94
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Defcr-rs1 (OTTMUSG00000019792) KTAITTQAPNTQHKGC 116
OTTMUSG00000018260 (novelCRS1C) KTAITTQAPNTQHKGC 116
OTTMUSG00000019927 (CRS1C-3) KSAITTQAPNTQHKGC 116
OTTMUSG00000019893 (novelCRS1C) KTAITTQAPNTHHKGC 116
OTTMUSG00000019859 (novelCRS1C) KTAITTQAPNTHHKGC 116
OTTMUSG00000018344 (CRS4C-6) -----

(C)

OTTMUSG00000019857 (noveldef) MKTLVLLSALALLAFVQADPIQNRDEESKID EQPGKEDQAVSVSFGDPE 50
GSSLQEECEDRICYCRTSCKKKRTPDWDLQKGSFNQALLPLNMETTEDK 98
TAMSTEATDAGA 112