|  |  |  |  |
| --- | --- | --- | --- |
|  | CID | ETD | HCD |
| 1\_A2 | **0** | **0** | **0** |
| 1\_B2 | pep=AILVNFKAR(0)-GKNSK(0) 37  pep=AILVNFKAR(0)-GKNSK(4) 8  pep=AILVNFKAR(6)-GKNSK(0) 4  pep=AILVNFKAR(6)-GKNSK(1) 1  pep=AILVNFKAR(6)-GKNSK(4) 1  pep=GKNSK(0)-GKNSK(4) 4  pep=GKNSK(4)-GKNSK(0) 6 | pep=AILVNFKAR(0)-GKNSK(0) 45  pep=AILVNFKAR(0)-GKNSK(1) 1  pep=AILVNFKAR(6)-GKNSK(0) 14  pep=GKNSK(0)-GKNSK(0) 28  pep=GKNSK(4)-GKNSK(0) 7 | pep=AILVNFKAR(0)-GKNSK(0) 11  pep=AILVNFKAR(6)-GKNSK(0) 4 |
| 1\_C2 | **0** | **0** | **0** |
| 1\_D2 | **0** | **0** | **0** |
| 1\_E2 | pep=KDAQSQEMSQR(0)-AILVNFKAR(0) 5  pep=KDAQSQEMSQR(0)-AILVNFKAR(6) 2  pep=KDAQSQEMSQR(0)-KDAQSQEMSQR(0) 7 | pep=KDAQSQEMSQR(0)-AILVNFKAR(0) 5  pep=KDAQSQEMSQR(0)-AILVNFKAR(6) 1  pep=KDAQSQEMSQR(0)-KDAQSQEMSQR(0) 5 | pep=KDAQSQEMSQR(0)-AILVNFKAR(0) 3  pep=KDAQSQEMSQR(0)-KDAQSQEMSQR(0) 4 |
| 1\_F2 | **0** | **0** | **0** |
| 1\_G2 | pep=AILVNFKAR(0)-KMRPEVR(0) 7  pep=KMRPEVR(0)-KMRPEVR(0) 7 | pep=AILVNFKAR(0)-KMRPEVR(0) 6  pep=AILVNFKAR(6)-KMRPEVR(0) 3  pep=KMRPEVR(0)-KMRPEVR(0) 4 | pep=KMRPEVR(0)-KMRPEVR(0) 2 |
| 1\_H2 | **0** | **0** | **0** |
| 1\_A3 | pep=AILVNFKAR(0)-KVEEDVR(0) 14  pep=AILVNFKAR(6)-KVEEDVR(0) 7  pep=KVEEDVR(0)-KVEEDVR(0) 24 | pep=AILVNFKAR(0)-KVEEDVR(0) 10  pep=AILVNFKAR(6)-KVEEDVR(0) 7  pep=KVEEDVR(0)-KVEEDVR(0) 21 | pep=AILVNFKAR(0)-KVEEDVR(0) 2  pep=KVEEDVR(0)-KVEEDVR(0) 9 |
| 1\_B3 | pep=AILVNFKAR(0)-AILVNFKAR(0) 4  pep=AILVNFKAR(0)-AILVNFKAR(6) 2  pep=AILVNFKAR(6)-AILVNFKAR(6) 1  pep=LDAEEQMNKFK(0)-AILVNFKAR(0) 3  pep=LDAEEQMNKFK(10)-AILVNFKAR(0) 6  pep=LDAEEQMNKFK(10)-AILVNFKAR(6) 5  pep=LDAEEQMNKFK(10)-LDAEEQMNKFK(0) 4  pep=LDAEEQMNKFK(10)-LDAEEQMNKFK(8) 1  pep=LDAEEQMNKFK(8)-AILVNFKAR(6) 1  pep=LDAEEQMNKFK(8)-LDAEEQMNKFK(0) 1 | pep=AILVNFKAR(0)-AILVNFKAR(0) 4  pep=LDAEEQMNKFK(10)-AILVNFKAR(0) 1  pep=LDAEEQMNKFK(10)-AILVNFKAR(6) 1  pep=LDAEEQMNKFK(10)-LDAEEQMNKFK(0) 1  pep=LDAEEQMNKFK(8)-AILVNFKAR(0) 2 | **0** |
| 1\_B4 | pep=AILVNFKAR(0)-AILVNFKAR(0) 1  pep=AILVNFKAR(0)-AILVNFKAR(6) 1  pep=AILVNFKAR(6)-AILVNFKAR(6) 1 | pep=AILVNFKAR(6)-AILVNFKAR(6) 1  pep=SDFKFSNLLGTVYR(3)-SDFKFSNLLGTVYR(3) 2 | pep=SDFKFSNLLGTVYR(3)-SDFKFSNLLGTVYR(3) 2 |
| 1\_C3 | pep=AILVNFKAR(0)-AILVNFKAR(6) 2  pep=AILVNFKAR(6)-AILVNFKAR(6) 4  pep=LDIDQLQLSVKK(0)-AILVNFKAR(0) 1  pep=LDIDQLQLSVKK(0)-AILVNFKAR(6) 1  pep=LDIDQLQLSVKK(0)-LDIDQLQLSVKK(0) 1  pep=LDIDQLQLSVKK(11)-AILVNFKAR(6) 2  pep=LDIDQLQLSVKK(11)-LDIDQLQLSVKK(0) 2  pep=LDIDQLQLSVKK(11)-LDIDQLQLSVKK(11) 1 | pep=AILVNFKAR(6)-AILVNFKAR(6) 6  pep=LDIDQLQLSVKK(0)-LDIDQLQLSVKK(0) 1  pep=LDIDQLQLSVKK(10)-LDIDQLQLSVKK(10) 1 | **0** |
| 1\_D3 | **0** | **0** | **0** |
| 1\_E3 | pep=LLATSSGDKTVK(0)-AILVNFKAR(0) 15  pep=LLATSSGDKTVK(0)-AILVNFKAR(6) 4  pep=LLATSSGDKTVK(0)-LLATSSGDKTVK(0) 11  pep=LLATSSGDKTVK(0)-LLATSSGDKTVK(11) 5  pep=LLATSSGDKTVK(11)-AILVNFKAR(0) 8  pep=LLATSSGDKTVK(11)-AILVNFKAR(6) 2  pep=LLATSSGDKTVK(11)-LLATSSGDKTVK(0) 8  pep=LLATSSGDKTVK(11)-LLATSSGDKTVK(11) 1 | pep=LLATSSGDKTVK(0)-AILVNFKAR(0) 13  pep=LLATSSGDKTVK(0)-AILVNFKAR(6) 3  pep=LLATSSGDKTVK(0)-LLATSSGDKTVK(0) 8  pep=LLATSSGDKTVK(11)-AILVNFKAR(0) 2  pep=LLATSSGDKTVK(11)-LLATSSGDKTVK(0) 2  pep=LLATSSGDKTVK(8)-AILVNFKAR(0) 4 | pep=LLATSSGDKTVK(0)-AILVNFKAR(0) 4  pep=LLATSSGDKTVK(0)-LLATSSGDKTVK(0) 11  pep=LLATSSGDKTVK(8)-LLATSSGDKTVK(0) 2 |
| 1\_F3 | pep=AILVNFKAR(0)-AILVNFKAR(0) 5  pep=AILVNFKAR(0)-AILVNFKAR(6) 1  pep=LSEIPGMVKIVDAIIPYTQR(0)-AILVNFKAR(0) 1 | pep=AILVNFKAR(0)-AILVNFKAR(0) 4  pep=AILVNFKAR(0)-AILVNFKAR(6) 3  pep=LSEIPGMVKIVDAIIPYTQR(0)-AILVNFKAR(0) 2  pep=LSEIPGMVKIVDAIIPYTQR(8)-AILVNFKAR(0) 1 | pep=AILVNFKAR(0)-AILVNFKAR(0) 6  pep=LSEIPGMVKIVDAIIPYTQR(8)-AILVNFKAR(0) 3 |
| 1\_G3 | pep=AILVNFKAR(0)-AILVNFKAR(0) 1  pep=NEELKLQINR(0)-AILVNFKAR(0) 5  pep=NEELKLQINR(0)-NEELKLQINR(0) 1 | pep=AILVNFKAR(0)-AILVNFKAR(0) 1  pep=NEELKLQINR(0)-AILVNFKAR(0) 4  pep=NEELKLQINR(0)-AILVNFKAR(6) 2  pep=NEELKLQINR(0)-NEELKLQINR(0) 1  pep=NEELKLQINR(4)-AILVNFKAR(0) 1 | pep=NEELKLQINR(0)-AILVNFKAR(0) 2 |
| 1\_H3 | pep=AILVNFKAR(0)-NKFLPVLK(0) 8  pep=AILVNFKAR(6)-NKFLPVLK(0) 2  pep=AILVNFKAR(6)-NKFLPVLK(7) 1  pep=NKFLPVLK(0)-NKFLPVLK(0) 2  pep=NKFLPVLK(0)-NKFLPVLK(7) 2  pep=NKFLPVLK(7)-NKFLPVLK(0) 1 | pep=AILVNFKAR(0)-NKFLPVLK(0) 6  pep=AILVNFKAR(6)-NKFLPVLK(0) 5  pep=AILVNFKAR(6)-NKFLPVLK(1) 1  pep=NKFLPVLK(0)-NKFLPVLK(0) 4  pep=NKFLPVLK(7)-NKFLPVLK(0) 3  pep=NKFLPVLK(7)-NKFLPVLK(1) 1 | pep=AILVNFKAR(0)-NKFLPVLK(0) 2 |
| 1\_A4 | pep=AILVNFKAR(0)-AILVNFKAR(0) 3  pep=AILVNFKAR(0)-AILVNFKAR(6) 1  pep=AILVNFKAR(6)-AILVNFKAR(6) 2  pep=NSKIFSPFR(0)-AILVNFKAR(0) 9  pep=NSKIFSPFR(0)-NSKIFSPFR(0) 9 | pep=AILVNFKAR(0)-AILVNFKAR(0) 3  pep=AILVNFKAR(6)-AILVNFKAR(6) 3  pep=NSKIFSPFR(0)-AILVNFKAR(0) 6  pep=NSKIFSPFR(0)-NSKIFSPFR(0) 8 | pep=AILVNFKAR(0)-AILVNFKAR(0) 3  pep=AILVNFKAR(6)-AILVNFKAR(6) 1  pep=NSKIFSPFR(0)-AILVNFKAR(0) 5  pep=NSKIFSPFR(0)-NSKIFSPFR(0) 7  pep=NSKIFSPFR(2)-NSKIFSPFR(2) 1 |
| 1\_B4 |  |  |  |
| 1\_C4 | pep=AILVNFKAR(0)-AILVNFKAR(0) 4  pep=AILVNFKAR(0)-TPDVNKDR(0) 15  pep=AILVNFKAR(0)-TPDVNKDR(5) 1  pep=AILVNFKAR(6)-TPDVNKDR(0) 5  pep=AILVNFKAR(6)-TPDVNKDR(5) 3  pep=TPDVNKDR(0)-TPDVNKDR(0) 15  pep=TPDVNKDR(5)-TPDVNKDR(0) 1 | pep=AILVNFKAR(0)-AILVNFKAR(0) 2  pep=AILVNFKAR(0)-TPDVNKDR(0) 11  pep=AILVNFKAR(0)-TPDVNKDR(5) 5  pep=AILVNFKAR(6)-TPDVNKDR(0) 5  pep=AILVNFKAR(6)-TPDVNKDR(5) 2  pep=TPDVNKDR(0)-TPDVNKDR(0) 4  pep=TPDVNKDR(0)-TPDVNKDR(5) 2 | pep=AILVNFKAR(0)-TPDVNKDR(0) 9  pep=AILVNFKAR(6)-TPDVNKDR(0) 2  pep=TPDVNKDR(0)-TPDVNKDR(0) 11 |
| 1\_D4 | pep=AILVNFKAR(0)-AILVNFKAR(0) 1  pep=AILVNFKAR(0)-AILVNFKAR(6) 1  pep=AILVNFKAR(0)-VGGSTIKSK(0) 8  pep=AILVNFKAR(0)-VGGSTIKSK(6) 1  pep=AILVNFKAR(0)-VGGSTIKSK(8) 6  pep=AILVNFKAR(6)-VGGSTIKSK(0) 5  pep=VGGSTIKSK(0)-VGGSTIKSK(0) 7  pep=VGGSTIKSK(6)-VGGSTIKSK(0) 3  pep=VGGSTIKSK(8)-VGGSTIKSK(0) 13 | pep=AILVNFKAR(0)-AILVNFKAR(0) 2  pep=AILVNFKAR(0)-VGGSTIKSK(0) 8  pep=AILVNFKAR(0)-VGGSTIKSK(6) 4  pep=AILVNFKAR(0)-VGGSTIKSK(8) 4  pep=AILVNFKAR(6)-VGGSTIKSK(0) 2  pep=VGGSTIKSK(0)-VGGSTIKSK(0) 4  pep=VGGSTIKSK(6)-VGGSTIKSK(0) 2  pep=VGGSTIKSK(8)-VGGSTIKSK(0) 22 | pep=AILVNFKAR(0)-AILVNFKAR(0) 1  pep=AILVNFKAR(0)-VGGSTIKSK(0) 3  pep=VGGSTIKSK(0)-VGGSTIKSK(0) 1 |
| 1\_E4 | pep=AILVNFKAR(6)-AILVNFKAR(6) 1 | 0 | 0 |
| 1\_F4 | pep=AILVNFKAR(0)-AILVNFKAR(0) 3  pep=AILVNFKAR(0)-AILVNFKAR(6) 1  pep=AILVNFKAR(0)-VKTELR(0) 6  pep=AILVNFKAR(6)-AILVNFKAR(6) 1  pep=AILVNFKAR(6)-VKTELR(0) 2  pep=VKTELR(0)-VKTELR(0) 3 | pep=AILVNFKAR(0)-AILVNFKAR(0) 3  pep=AILVNFKAR(0)-AILVNFKAR(6) 2  pep=AILVNFKAR(0)-VKTELR(0) 6  pep=AILVNFKAR(6)-VKTELR(0) 2  pep=VKTELR(0)-VKTELR(0) 3  pep=VKTELR(0)-VKTELR(1) 1  pep=VKTELR(1)-VKTELR(0) 2 | pep=AILVNFKAR(0)-AILVNFKAR(0) 1  pep=AILVNFKAR(0)-VKTELR(0) 4  pep=VKTELR(0)-VKTELR(0) 5 |
| 1\_G4 | pep=AILVNFKAR(0)-AILVNFKAR(0) 2  pep=AILVNFKAR(0)-VWDLVKR(0) 8  pep=AILVNFKAR(0)-VWDLVKR(5) 4  pep=AILVNFKAR(6)-VWDLVKR(0) 2  pep=AILVNFKAR(6)-VWDLVKR(5) 3  pep=VWDLVKR(0)-VWDLVKR(0) 15  pep=VWDLVKR(0)-VWDLVKR(5) 1  pep=VWDLVKR(5)-VWDLVKR(0) 7  pep=VWDLVKR(5)-VWDLVKR(5) 1 | pep=AILVNFKAR(0)-AILVNFKAR(0) 2  pep=AILVNFKAR(0)-VWDLVKR(0) 7  pep=AILVNFKAR(0)-VWDLVKR(5) 3  pep=AILVNFKAR(6)-VWDLVKR(0) 2  pep=AILVNFKAR(6)-VWDLVKR(5) 3  pep=VWDLVKR(0)-VWDLVKR(0) 11  pep=VWDLVKR(0)-VWDLVKR(5) 3  pep=VWDLVKR(5)-VWDLVKR(5) 2 | pep=AILVNFKAR(0)-AILVNFKAR(0) 2  pep=AILVNFKAR(0)-VWDLVKR(0) 6  pep=AILVNFKAR(6)-VWDLVKR(0) 2  pep=VWDLVKR(0)-VWDLVKR(0) 15  pep=VWDLVKR(0)-VWDLVKR(5) 2  pep=VWDLVKR(5)-VWDLVKR(5) 2 |
| 1\_H4 | pep=AILVNFKAR(0)-AILVNFKAR(0) 3  pep=AILVNFKAR(0)-AILVNFKAR(6) 1  pep=AILVNFKAR(6)-AILVNFKAR(0) 1 | pep=AILVNFKAR(0)-AILVNFKAR(0) 3  pep=AILVNFKAR(0)-AILVNFKAR(6) 1  pep=AILVNFKAR(6)-AILVNFKAR(0) 2 | pep=AILVNFKAR(0)-AILVNFKAR(0) 4 |