

| IEDB IRI                                                                                | Object Type    | Name                               | Modified Residue(s) | Modifications               | Starting Position | Ending Position |
|-----------------------------------------------------------------------------------------|----------------|------------------------------------|---------------------|-----------------------------|-------------------|-----------------|
| <a href="https://www.iedb.org/epitope/718120">https://www.iedb.org/epitope/718120</a>   | Linear peptide | NECISPA                            |                     |                             | 14                | 21              |
| <a href="https://www.iedb.org/epitope/711512">https://www.iedb.org/epitope/711512</a>   | Linear peptide | ISPVANEM                           |                     |                             | 17                | 24              |
| <a href="https://www.iedb.org/epitope/126218">https://www.iedb.org/epitope/126218</a>   | Linear peptide | HLPASHDLQRMFT                      |                     |                             | 26                | 39              |
| <a href="https://www.iedb.org/epitope/690622">https://www.iedb.org/epitope/690622</a>   | Linear peptide | HLPASHDL                           |                     |                             | 26                | 34              |
| <a href="https://www.iedb.org/epitope/1876509">https://www.iedb.org/epitope/1876509</a> | Linear peptide | AHSHDLQRM                          |                     |                             | 29                | 37              |
| <a href="https://www.iedb.org/epitope/573359">https://www.iedb.org/epitope/573359</a>   | Linear peptide | HSHDLQRMF                          |                     |                             | 30                | 38              |
| <a href="https://www.iedb.org/epitope/926635">https://www.iedb.org/epitope/926635</a>   | Linear peptide | HSHDLQRMF + OX(M8)                 | M8                  | Oxidation                   | 30                | 38              |
| <a href="https://www.iedb.org/epitope/430216">https://www.iedb.org/epitope/430216</a>   | Linear peptide | FTEDQGVDDRLLY                      |                     |                             | 38                | 50              |
| <a href="https://www.iedb.org/epitope/1996224">https://www.iedb.org/epitope/1996224</a> | Linear peptide | TEDQGVDDRL                         |                     |                             | 39                | 48              |
| <a href="https://www.iedb.org/epitope/468520">https://www.iedb.org/epitope/468520</a>   | Linear peptide | LYDIVFKHF                          |                     |                             | 49                | 57              |
| <a href="https://www.iedb.org/epitope/473445">https://www.iedb.org/epitope/473445</a>   | Linear peptide | YDIVFKHF                           |                     |                             | 50                | 57              |
| <a href="https://www.iedb.org/epitope/1319043">https://www.iedb.org/epitope/1319043</a> | Linear peptide | IVFKHF                             |                     |                             | 52                | 57              |
| <a href="https://www.iedb.org/epitope/647777">https://www.iedb.org/epitope/647777</a>   | Linear peptide | NAIKKTFPF                          |                     |                             | 66                | 74              |
| <a href="https://www.iedb.org/epitope/2026329">https://www.iedb.org/epitope/2026329</a> | Linear peptide | KKTFPFLE                           |                     |                             | 69                | 76              |
| <a href="https://www.iedb.org/epitope/1040474">https://www.iedb.org/epitope/1040474</a> | Linear peptide | RDLITNKM + OX(M8)                  | M8                  | Oxidation                   | 81                | 88              |
| <a href="https://www.iedb.org/epitope/1040475">https://www.iedb.org/epitope/1040475</a> | Linear peptide | RDLITNKM                           |                     |                             | 81                | 88              |
| <a href="https://www.iedb.org/epitope/837988">https://www.iedb.org/epitope/837988</a>   | Linear peptide | MFEDSQDSC + OX(M1)                 | M1                  | Oxidation                   | 88                | 96              |
| <a href="https://www.iedb.org/epitope/636410">https://www.iedb.org/epitope/636410</a>   | Linear peptide | RNLVPVQR                           |                     |                             | 97                | 104             |
| <a href="https://www.iedb.org/epitope/1716300">https://www.iedb.org/epitope/1716300</a> | Linear peptide | VYVNVLSEL                          |                     |                             | 105               | 113             |
| <a href="https://www.iedb.org/epitope/473260">https://www.iedb.org/epitope/473260</a>   | Linear peptide | VYVNVLEKTF                         |                     |                             | 106               | 117             |
| <a href="https://www.iedb.org/epitope/1578629">https://www.iedb.org/epitope/1578629</a> | Linear peptide | LSELEKTFNLPV                       |                     |                             | 110               | 121             |
| <a href="https://www.iedb.org/epitope/223960">https://www.iedb.org/epitope/223960</a>   | Linear peptide | SELEKTFNL                          |                     |                             | 111               | 119             |
| <a href="https://www.iedb.org/epitope/883335">https://www.iedb.org/epitope/883335</a>   | Linear peptide | SELEKTFNLP                         |                     |                             | 111               | 120             |
| <a href="https://www.iedb.org/epitope/430082">https://www.iedb.org/epitope/430082</a>   | Linear peptide | FSDVNMQEY + OX(M6)                 | M6                  | Oxidation                   | 126               | 134             |
| <a href="https://www.iedb.org/epitope/572485">https://www.iedb.org/epitope/572485</a>   | Linear peptide | FSDVNMQEY                          |                     |                             | 126               | 134             |
| <a href="https://www.iedb.org/epitope/1326950">https://www.iedb.org/epitope/1326950</a> | Linear peptide | VNMQEY                             |                     |                             | 129               | 134             |
| <a href="https://www.iedb.org/epitope/1346226">https://www.iedb.org/epitope/1346226</a> | Linear peptide | VNMQEYPDLIHYKGF                    |                     |                             | 129               | 144             |
| <a href="https://www.iedb.org/epitope/439714">https://www.iedb.org/epitope/439714</a>   | Linear peptide | QEYPDLIH                           |                     |                             | 132               | 140             |
| <a href="https://www.iedb.org/epitope/447071">https://www.iedb.org/epitope/447071</a>   | Linear peptide | QEYPDLIHY                          |                     |                             | 132               | 141             |
| <a href="https://www.iedb.org/epitope/1037978">https://www.iedb.org/epitope/1037978</a> | Linear peptide | QEYPDLIH + PYRE(Q1)                | Q1                  | Pyrrolidone carboxylic acid | 132               | 140             |
| <a href="https://www.iedb.org/epitope/1037979">https://www.iedb.org/epitope/1037979</a> | Linear peptide | QEYPDLIHY + PYRE(Q1)               | Q1                  | Pyrrolidone carboxylic acid | 132               | 141             |
| <a href="https://www.iedb.org/epitope/1266340">https://www.iedb.org/epitope/1266340</a> | Linear peptide | QEYPDLIHYKGFENVIHDK                |                     |                             | 132               | 151             |
| <a href="https://www.iedb.org/epitope/1991770">https://www.iedb.org/epitope/1991770</a> | Linear peptide | QEYPDLIHY + DEAM(Q1)               | Q1                  | Deamidation   DEAM          | 132               | 141             |
| <a href="https://www.iedb.org/epitope/505175">https://www.iedb.org/epitope/505175</a>   | Linear peptide | EYPDLIHY                           |                     |                             | 133               | 141             |
| <a href="https://www.iedb.org/epitope/1210155">https://www.iedb.org/epitope/1210155</a> | Linear peptide | EYPDLIH                            |                     |                             | 133               | 140             |
| <a href="https://www.iedb.org/epitope/1210156">https://www.iedb.org/epitope/1210156</a> | Linear peptide | EYPDLIHYKGFENVIH                   |                     |                             | 133               | 149             |
| <a href="https://www.iedb.org/epitope/1210157">https://www.iedb.org/epitope/1210157</a> | Linear peptide | EYPDLIHYKGFENVIHD                  |                     |                             | 133               | 150             |
| <a href="https://www.iedb.org/epitope/1210158">https://www.iedb.org/epitope/1210158</a> | Linear peptide | EYPDLIHYKGFENVIHDK                 |                     |                             | 133               | 151             |
| <a href="https://www.iedb.org/epitope/1210159">https://www.iedb.org/epitope/1210159</a> | Linear peptide | EYPDLIHYKGFENVIHDKL                |                     |                             | 133               | 152             |
| <a href="https://www.iedb.org/epitope/1210160">https://www.iedb.org/epitope/1210160</a> | Linear peptide | EYPDLIHYKGFENVIHDKLP               |                     |                             | 133               | 153             |
| <a href="https://www.iedb.org/epitope/1124499">https://www.iedb.org/epitope/1124499</a> | Linear peptide | YPDLIHY                            |                     |                             | 134               | 141             |
| <a href="https://www.iedb.org/epitope/1305646">https://www.iedb.org/epitope/1305646</a> | Linear peptide | YPDLIHYKGFENVI                     |                     |                             | 134               | 148             |
| <a href="https://www.iedb.org/epitope/1305647">https://www.iedb.org/epitope/1305647</a> | Linear peptide | YPDLIHYKGFENVIH                    |                     |                             | 134               | 149             |
| <a href="https://www.iedb.org/epitope/582684">https://www.iedb.org/epitope/582684</a>   | Linear peptide | FENVIHDKL                          |                     |                             | 144               | 152             |
| <a href="https://www.iedb.org/epitope/1113371">https://www.iedb.org/epitope/1113371</a> | Linear peptide | QESEEEEEERSGLQL                    |                     |                             | 155               | 170             |
| <a href="https://www.iedb.org/epitope/1992733">https://www.iedb.org/epitope/1992733</a> | Linear peptide | REERSGLQL                          |                     |                             | 162               | 170             |
| <a href="https://www.iedb.org/epitope/615581">https://www.iedb.org/epitope/615581</a>   | Linear peptide | ERSGLQLSL                          |                     |                             | 164               | 172             |
| <a href="https://www.iedb.org/epitope/2048814">https://www.iedb.org/epitope/2048814</a> | Linear peptide | SLEQGTGENSF                        |                     |                             | 171               | 181             |
| <a href="https://www.iedb.org/epitope/796031">https://www.iedb.org/epitope/796031</a>   | Linear peptide | GRSKNWKL                           |                     |                             | 174               | 181             |
| <a href="https://www.iedb.org/epitope/454031">https://www.iedb.org/epitope/454031</a>   | Linear peptide | GENSFRSLTW                         |                     |                             | 177               | 186             |
| <a href="https://www.iedb.org/epitope/1714491">https://www.iedb.org/epitope/1714491</a> | Linear peptide | LSEHPCETEIN                        |                     |                             | 204               | 215             |
| <a href="https://www.iedb.org/epitope/703858">https://www.iedb.org/epitope/703858</a>   | Linear peptide | ETEQINAKR                          |                     |                             | 210               | 218             |
| <a href="https://www.iedb.org/epitope/532569">https://www.iedb.org/epitope/532569</a>   | Linear peptide | KRKDTTSDKDDSLGSQ                   |                     |                             | 217               | 232             |
| <a href="https://www.iedb.org/epitope/2054936">https://www.iedb.org/epitope/2054936</a> | Linear peptide | TTSDKDDSL                          |                     |                             | 221               | 229             |
| <a href="https://www.iedb.org/epitope/630430">https://www.iedb.org/epitope/630430</a>   | Linear peptide | ESCEQIAVQV                         |                     |                             | 246               | 255             |
| <a href="https://www.iedb.org/epitope/998601">https://www.iedb.org/epitope/998601</a>   | Linear peptide | AELNHHGIQI                         |                     |                             | 277               | 286             |
| <a href="https://www.iedb.org/epitope/1921306">https://www.iedb.org/epitope/1921306</a> | Linear peptide | QINSCSVRLVDIKKEKP                  |                     |                             | 285               | 301             |
| <a href="https://www.iedb.org/epitope/131918">https://www.iedb.org/epitope/131918</a>   | Linear peptide | INSCSVRLVDIKKEKPFNSKVECAQARTHHNQAS |                     |                             | 286               | 321             |
| <a href="https://www.iedb.org/epitope/955395">https://www.iedb.org/epitope/955395</a>   | Linear peptide | RLVDIKKEK                          |                     |                             | 292               | 300             |
| <a href="https://www.iedb.org/epitope/131914">https://www.iedb.org/epitope/131914</a>   | Linear peptide | IKKEKPFNSKVECAQ                    |                     |                             | 296               | 311             |
| <a href="https://www.iedb.org/epitope/131932">https://www.iedb.org/epitope/131932</a>   | Linear peptide | KKEKPFNSKVECAQ                     |                     |                             | 297               | 310             |
| <a href="https://www.iedb.org/epitope/131935">https://www.iedb.org/epitope/131935</a>   | Linear peptide | KPFNSKSV                           |                     |                             | 300               | 307             |
| <a href="https://www.iedb.org/epitope/132069">https://www.iedb.org/epitope/132069</a>   | Linear peptide | SNKVE                              |                     |                             | 303               | 308             |
| <a href="https://www.iedb.org/epitope/131856">https://www.iedb.org/epitope/131856</a>   | Linear peptide | EGSTDVDEPLEVFISAPRSE               |                     |                             | 332               | 351             |
| <a href="https://www.iedb.org/epitope/131852">https://www.iedb.org/epitope/131852</a>   | Linear peptide | DVDEPLEVFISA                       |                     |                             | 336               | 347             |
| <a href="https://www.iedb.org/epitope/131853">https://www.iedb.org/epitope/131853</a>   | Linear peptide | DVDEPLEVFISAPRS                    |                     |                             | 336               | 350             |
| <a href="https://www.iedb.org/epitope/131865">https://www.iedb.org/epitope/131865</a>   | Linear peptide | EPLEVFISA                          |                     |                             | 339               | 347             |
| <a href="https://www.iedb.org/epitope/131866">https://www.iedb.org/epitope/131866</a>   | Linear peptide | EPLEVFISAPRS                       |                     |                             | 339               | 350             |
| <a href="https://www.iedb.org/epitope/131874">https://www.iedb.org/epitope/131874</a>   | Linear peptide | EVFISAPR                           |                     |                             | 342               | 349             |
| <a href="https://www.iedb.org/epitope/175959">https://www.iedb.org/epitope/175959</a>   | Linear peptide | KAAKLKEY                           |                     |                             | 345               | 353             |
| <a href="https://www.iedb.org/epitope/1772591">https://www.iedb.org/epitope/1772591</a> | Linear peptide | KAAKLKEY + MCM(K4)                 | K4                  | Main chain modification     | 345               | 353             |
| <a href="https://www.iedb.org/epitope/1772592">https://www.iedb.org/epitope/1772592</a> | Linear peptide | KAAKLKEY + MCM(K6)                 | K6                  | Main chain modification     | 345               | 353             |
| <a href="https://www.iedb.org/epitope/1772593">https://www.iedb.org/epitope/1772593</a> | Linear peptide | KAAKLKEY + MCM(K8)                 | K8                  | Main chain modification     | 345               | 353             |
| <a href="https://www.iedb.org/epitope/132014">https://www.iedb.org/epitope/132014</a>   | Linear peptide | POIVPEPM                           |                     |                             | 376               | 383             |
| <a href="https://www.iedb.org/epitope/1357810">https://www.iedb.org/epitope/1357810</a> | Linear peptide | IVPEPMDF                           |                     |                             | 378               | 385             |
| <a href="https://www.iedb.org/epitope/991102">https://www.iedb.org/epitope/991102</a>   | Linear peptide | RKLSTFRESF                         |                     |                             | 386               | 395             |
| <a href="https://www.iedb.org/epitope/574199">https://www.iedb.org/epitope/574199</a>   | Linear peptide | KLSTFRESF                          |                     |                             | 387               | 395             |
| <a href="https://www.iedb.org/epitope/584961">https://www.iedb.org/epitope/584961</a>   | Linear peptide | KLSTFRESFKK                        |                     |                             | 387               | 397             |
| <a href="https://www.iedb.org/epitope/486727">https://www.iedb.org/epitope/486727</a>   | Linear peptide | STFRESFKK                          |                     |                             | 389               | 397             |
| <a href="https://www.iedb.org/epitope/2071713">https://www.iedb.org/epitope/2071713</a> | Linear peptide | STFRESFKKR                         |                     |                             | 389               | 398             |
| <a href="https://www.iedb.org/epitope/992102">https://www.iedb.org/epitope/992102</a>   | Linear peptide | TFRESFKKR                          |                     |                             | 390               | 398             |
| <a href="https://www.iedb.org/epitope/772166">https://www.iedb.org/epitope/772166</a>   | Linear peptide | ESFKKRVI                           |                     |                             | 393               | 400             |
| <a href="https://www.iedb.org/epitope/1046632">https://www.iedb.org/epitope/1046632</a> | Linear peptide | RVIGQDHDF                          |                     |                             | 398               | 406             |
| <a href="https://www.iedb.org/epitope/730636">https://www.iedb.org/epitope/730636</a>   | Linear peptide | VIGQDHDF                           |                     |                             | 399               | 406             |
| <a href="https://www.iedb.org/epitope/699021">https://www.iedb.org/epitope/699021</a>   | Linear peptide | APAEASSGAL                         |                     |                             | 414               | 423             |
| <a href="https://www.iedb.org/epitope/476152">https://www.iedb.org/epitope/476152</a>   | Linear peptide | ASSGALRSK                          |                     |                             | 418               | 426             |
| <a href="https://www.iedb.org/epitope/1052278">https://www.iedb.org/epitope/1052278</a> | Linear peptide | STSTWRIPSRK                        |                     |                             | 437               | 447             |
| <a href="https://www.iedb.org/epitope/167693">https://www.iedb.org/epitope/167693</a>   | Linear peptide | TWRIPSRKR                          |                     |                             | 440               | 449             |
| <a href="https://www.iedb.org/epitope/815147">https://www.iedb.org/epitope/815147</a>   | Linear peptide | RRFSSDSFSDL                        |                     |                             | 448               | 459             |
| <a href="https://www.iedb.org/epitope/1013368">https://www.iedb.org/epitope/1013368</a> | Linear peptide | FSSDSFSDL                          |                     |                             | 450               | 458             |
| <a href="https://www.iedb.org/epitope/706352">https://www.iedb.org/epitope/706352</a>   | Linear peptide | FSDLSNGEEL                         |                     |                             | 455               | 464             |
| <a href="https://www.iedb.org/epitope/972731">https://www.iedb.org/epitope/972731</a>   | Linear peptide | GEELEQETCSSLLRGS + CITR(R13, R14)  | R13, R14            | Citrullination   CITR       | 461               | 476             |
| <a href="https://www.iedb.org/epitope/978954">https://www.iedb.org/epitope/978954</a>   | Linear peptide | QETCSSLLRGSQSOP + CITR(R9, R10)    | R9, R10             | Citrullination   CITR       | 465               | 480             |
| <a href="https://www.iedb.org/epitope/988187">https://www.iedb.org/epitope/988187</a>   | Linear peptide | ETCSSLLRR                          |                     |                             | 466               | 474             |
| <a href="https://www.iedb.org/epitope/981350">https://www.iedb.org/epitope/981350</a>   | Linear peptide | SSSLRGSQSOPQEPE + CITR(R5, R6)     | R5, R6              | Citrullination   CITR       | 469               | 484             |
| <a href="https://www.iedb.org/epitope/980162">https://www.iedb.org/epitope/980162</a>   | Linear peptide | RRGSQSOPQEPEKNC + CITR(R1, R2)     | R1, R2              | Citrullination   CITR       | 473               | 488             |
| <a href="https://www.iedb.org/epitope/576888">https://www.iedb.org/epitope/576888</a>   | Linear peptide | RPRKHLTLNN                         |                     |                             | 554               | 563             |
| <a href="https://www.iedb.org/epitope/487575">https://www.iedb.org/epitope/487575</a>   | Linear peptide | TLNNKVQKK                          |                     |                             | 560               | 568             |
| <a href="https://www.iedb.org/epitope/2171500">https://www.iedb.org/epitope/2171500</a> | Linear peptide | KVQKKRWQGRKANTRPLKRRRRK            |                     |                             | 564               | 588             |
| <a href="https://www.iedb.org/epitope/422641">https://www.iedb.org/epitope/422641</a>   | Linear peptide | QSELPTVCGEVKGTLV + GLUT(C8)        | C8                  | S-glutathionylation         | 602               | 617             |
| <a href="https://www.iedb.org/epitope/1039313">https://www.iedb.org/epitope/1039313</a> | Linear peptide | QSELPTVCGEVKGTLV + METH(C8)        | C8                  | Methylation   METH          | 602               | 617             |
| <a href="https://www.iedb.org/epitope/1323507">https://www.iedb.org/epitope/1323507</a> | Linear peptide | QSELPTVCGEVKGTLV + CYSTL(C8)       | C8                  | Cysteinylation              | 602               | 617             |

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|-----------------------------------------------------------------------------------------|----------------|------------------------|----|----------------|-----|-----|
| <a href="https://www.iedb.org/epitope/1922354">https://www.iedb.org/epitope/1922354</a> | Linear peptide | QSELPVTCGEVKGTLY       |    |                | 602 | 617 |
| <a href="https://www.iedb.org/epitope/988499">https://www.iedb.org/epitope/988499</a>   | Linear peptide | EVKGTLYKER             |    |                | 611 | 620 |
| <a href="https://www.iedb.org/epitope/927516">https://www.iedb.org/epitope/927516</a>   | Linear peptide | KCIQSEDKKW + CYSTL(C2) | C2 | Cysteinylation | 628 | 637 |
| <a href="https://www.iedb.org/epitope/1303658">https://www.iedb.org/epitope/1303658</a> | Linear peptide | YEREMKTYI              |    |                | 745 | 753 |
| <a href="https://www.iedb.org/epitope/480497">https://www.iedb.org/epitope/480497</a>   | Linear peptide | KFKDPNAPK              |    |                | 762 | 770 |
| <a href="https://www.iedb.org/epitope/2066649">https://www.iedb.org/epitope/2066649</a> | Linear peptide | KDPNAPKRPP             |    |                | 764 | 773 |
| <a href="https://www.iedb.org/epitope/442523">https://www.iedb.org/epitope/442523</a>   | Linear peptide | APKRPPLAF              |    |                | 768 | 776 |
| <a href="https://www.iedb.org/epitope/948867">https://www.iedb.org/epitope/948867</a>   | Linear peptide | GEHPGLSI               |    |                | 789 | 796 |
| <a href="https://www.iedb.org/epitope/636838">https://www.iedb.org/epitope/636838</a>   | Linear peptide | SIDDVVKKL              |    |                | 795 | 803 |
| <a href="https://www.iedb.org/epitope/1322640">https://www.iedb.org/epitope/1322640</a> | Linear peptide | NTAAADKQFY             |    |                | 809 | 818 |
| <a href="https://www.iedb.org/epitope/214463">https://www.iedb.org/epitope/214463</a>   | Linear peptide | LNKVKTSL               |    |                | 815 | 822 |
| <a href="https://www.iedb.org/epitope/954682">https://www.iedb.org/epitope/954682</a>   | Linear peptide | KQFYEKKA               |    |                | 815 | 824 |
| <a href="https://www.iedb.org/epitope/1317194">https://www.iedb.org/epitope/1317194</a> | Linear peptide | FYEKKA                 |    |                | 817 | 825 |
| <a href="https://www.iedb.org/epitope/951924">https://www.iedb.org/epitope/951924</a>   | Linear peptide | YEKKA                  |    |                | 818 | 825 |
| <a href="https://www.iedb.org/epitope/989861">https://www.iedb.org/epitope/989861</a>   | Linear peptide | KKA                    |    |                | 820 | 829 |
| <a href="https://www.iedb.org/epitope/2169750">https://www.iedb.org/epitope/2169750</a> | Linear peptide | KLKEKYKDIAAYRAKGKPN    |    |                | 824 | 847 |
| <a href="https://www.iedb.org/epitope/1023240">https://www.iedb.org/epitope/1023240</a> | Linear peptide | KDIAAYRA               |    |                | 831 | 838 |