Contents

[Sequence and Solubility data: 2](#_Toc395081287)

[Molecular Weight and Purity Data: 8](#_Toc395081288)

**Please note, in an effort to better serve our registrants, we have been creating pools created of our most peptide sets. Lot 140313 of cat# 6204 was synthesized and made into sets, but not a pool because enough stock of this pool already existed. Thus, the solubility data included here likely applies to the pool (cat #12364) as well, but it wasn’t specifically tested. The molecular weight and purity data do not apply to the pool.**

# Sequence and Solubility data:

**SIVmac239 Gag Peptides, obtained from Accession #M33262**

MGVRNSVLSGKKADELEKIRLRPNGKKKYMLKHVVWAANELDRFGLAESLLENKEGCQKILSVLAPLVPTGSENLKSLYNTVCVIWCIHAEEKVKHTEEAKQIVQRHLVVETGTTETMPKTSRPTAPSSGRGGNYPVQQIGGNYVHLPLSPRTLNAWVKLIEEKKFGAEVVPGFQALSEGCTPYDINQMLNCVGDHQAAMQIIRDIINEEAADWDLQHPQPAPQQGQLREPSGSDIAGTTSSVDEQIQWMYRQQNPIPVGNIYRRWIQLGLQKCVRMYNPTNILDVKQGPKEPFQSYVDRFYKSLRAEQTDAAVKNWMTQTLLIQNANPDCKLVLKGLGVNPTLEEMLTACQGVGGPGQKARLMAEALKEALAPVPIPFAAAQQRGPRKPIKCWNCGKEGHSARQCRAPRRQGCWKCGKMDHVMAKCPDRQAGFLGLGPWGKKPRNFPMAQVHQGLMPTAPPEDPAVDLLKNYMQLGKQQREKQRESREKPYKEVTEDLLHLNSLFGGDQ

For your convenience, if you wish to move this table to another program or file, select the entire table and copy it. The headers displayed on the other pages won’t be copied.

| Data for Cat# 6204 Lot 140313 | | |  | Solubility | Solvent | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Cat # | Peptide | Sequence | mg/ml | Water | PBS | 10% Acetic Acid | DMSO |
| 1 | 5211 | SIVmac239 Gag | MGVRNSVLSGKKADE | 0.25 | - | - | - | + |
| 2 | 5212 | SIVmac239 Gag | NSVLSGKKADELEKI | 0.25 | - | - | + | + |
| 3 | 5213 | SIVmac239 Gag | SGKKADELEKIRLRP | 0.25 | - | - | + | + |
| 4 | 5214 | SIVmac239 Gag | ADELEKIRLRPNGKK | 0.25 | - | - | + | + |
| 5 | 5215 | SIVmac239 Gag | EKIRLRPNGKKKYML | 0.25 | - | - | + | + |
| 6 | 5216 | SIVmac239 Gag | LRPNGKKKYMLKHVV | 0.25 | - | - | + | + |
| 7 | 5217 | SIVmac239 Gag | GKKKYMLKHVVWAAN | 0.25 | - | - | + | + |
| 8 | 5218 | SIVmac239 Gag | YMLKHVVWAANELDR | 0.25 | - | - | - | + |
| 9 | 5219 | SIVmac239 Gag | HVVWAANELDRFGLA | 0.25 | - | - | - | + |
| 10 | 5220 | SIVmac239 Gag | AANELDRFGLAESLL | 0.25 | - | - | - | + |
| 11 | 5221 | SIVmac239 Gag | LDRFGLAESLLENKE | 0.25 | - | - | - | + |
| 12 | 5222 | SIVmac239 Gag | GLAESLLENKEGCQK | 0.25 | - | - | - | + |
| 13 | 5223 | SIVmac239 Gag | SLLENKEGCQKILSV | 0.25 | - | - | - | + |
| 14 | 5224 | SIVmac239 Gag | NKEGCQKILSVLAPL | 0.25 | - | - | - | + |
| 15 | 5225 | SIVmac239 Gag | CQKILSVLAPLVPTG | 0.25 | - | - | - | + |
| 16 | 5226 | SIVmac239 Gag | LSVLAPLVPTGSENL | 0.25 | - | - | - | + |
| 17 | 5227 | SIVmac239 Gag | APLVPTGSENLKSLY | 0.25 | - | - | - | + |
| 18 | 5228 | SIVmac239 Gag | PTGSENLKSLYNTVC | 0.25 | - | - | - | + |
| 19 | 5229 | SIVmac239 Gag | ENLKSLYNTVCVIWC | 0.25 | - | - | - | + |
| 20 | 5230 | SIVmac239 Gag | SLYNTVCVIWCIHAE | 0.25 | - | - | - | + |
| 21 | 5231 | SIVmac239 Gag | TVCVIWCIHAEEKVK | 0.25 | - | - | - | + |
| 22 | 5232 | SIVmac239 Gag | IWCIHAEEKVKHTEE | 0.25 | - | + | - | + |
| 23 | 5233 | SIVmac239 Gag | HAEEKVKHTEEAKQI | 0.25 | - | + | - | + |
| 24 | 5234 | SIVmac239 Gag | KVKHTEEAKQIVQRH | 0.25 | - | + | - | + |
| 25 | 5235 | SIVmac239 Gag | TEEAKQIVQRHLVVE | 0.25 | - | - | - | + |
| 26 | 5236 | SIVmac239 Gag | KQIVQRHLVVETGTT | 0.25 | - | - | - | + |
| 27 | 5237 | SIVmac239 Gag | QRHLVVETGTTETMP | 0.25 | - | - | - | + |
| 28 | 5238 | SIVmac239 Gag | VVETGTTETMPKTSR | 0.25 | - | - | - | + |
| 29 | 5239 | SIVmac239 Gag | GTTETMPKTSRPTAP | 0.25 | - | - | - | + |
| 30 | 5240 | SIVmac239 Gag | TMPKTSRPTAPSSGR | 0.25 | - | - | - | + |
| 31 | 5241 | SIVmac239 Gag | TSRPTAPSSGRGGNY | 0.25 | - | - | - | + |
| 32 | 5242 | SIVmac239 Gag | TAPSSGRGGNYPVQQ | 0.25 | - | - | - | + |
| 33 | 5243 | SIVmac239 Gag | SGRGGNYPVQQIGGN | 0.25 | - | - | - | + |
| 34 | 5244 | SIVmac239 Gag | GNYPVQQIGGNYVHL | 0.25 | - | - | - | + |
| 35 | 5245 | SIVmac239 Gag | VQQIGGNYVHLPLSP | 0.25 | - | - | - | + |
| 36 | 5246 | SIVmac239 Gag | GGNYVHLPLSPRTLN | 0.25 | - | - | - | + |
| 37 | 5247 | SIVmac239 Gag | VHLPLSPRTLNAWVK | 0.25 | - | - | - | + |
| 38 | 5248 | SIVmac239 Gag | LSPRTLNAWVKLIEE | 0.25 | - | - | - | + |
| 39 | 5249 | SIVmac239 Gag | TLNAWVKLIEEKKFG | 0.25 | - | - | - | + |
| 40 | 5250 | SIVmac239 Gag | WVKLIEEKKFGAEVV | 0.25 | - | - | - | + |
| 41 | 5251 | SIVmac239 Gag | IEEKKFGAEVVPGFQ | 0.25 | - | - | - | + |
| 42 | 5252 | SIVmac239 Gag | KFGAEVVPGFQALSE | 0.25 | - | - | - | + |
| 43 | 5253 | SIVmac239 Gag | EVVPGFQALSEGCTP | 0.25 | - | - | - | + |
| 44 | 5254 | SIVmac239 Gag | GFQALSEGCTPYDIN | 0.25 | - | - | - | + |
| 45 | 5255 | SIVmac239 Gag | LSEGCTPYDINQMLN | 0.25 | - | - | - | + |
| 46 | 5256 | SIVmac239 Gag | CTPYDINQMLNCVGD | 0.25 | - | - | - | + |
| 47 | 5257 | SIVmac239 Gag | DINQMLNCVGDHQAA | 0.25 | - | - | - | + |
| 48 | 5258 | SIVmac239 Gag | MLNCVGDHQAAMQII | 0.25 | - | - | - | + |
| 49 | 5259 | SIVmac239 Gag | VGDHQAAMQIIRDII | 0.25 | - | - | - | + |
| 50 | 5260 | SIVmac239 Gag | QAAMQIIRDIINEEA | 0.25 | - | - | - | + |
| 51 | 5261 | SIVmac239 Gag | QIIRDIINEEAADWD | 0.25 | - | - | - | + |
| 52 | 5262 | SIVmac239 Gag | DIINEEAADWDLQHP | 0.25 | - | - | - | + |
| 53 | 5263 | SIVmac239 Gag | EEAADWDLQHPQPAP | 0.25 | - | - | - | + |
| 54 | 5264 | SIVmac239 Gag | DWDLQHPQPAPQQGQ | 0.25 | - | - | - | + |
| 55 | 5265 | SIVmac239 Gag | QHPQPAPQQGQLREP | 0.25 | - | - | - | + |
| 56 | 5266 | SIVmac239 Gag | PAPQQGQLREPSGSD | 0.25 | - | - | - | + |
| 57 | 5267 | SIVmac239 Gag | QGQLREPSGSDIAGT | 0.25 | - | - | - | + |
| 58 | 5268 | SIVmac239 Gag | REPSGSDIAGTTSSV | 0.25 | - | - | - | + |
| 59 | 5269 | SIVmac239 Gag | GSDIAGTTSSVDEQI | 0.25 | - | - | - | + |
| 60 | 5270 | SIVmac239 Gag | AGTTSSVDEQIQWMY | 0.25 | - | - | - | + |
| 61 | 5271 | SIVmac239 Gag | SSVDEQIQWMYRQQN | 0.25 | - | - | - | + |
| 62 | 5272 | SIVmac239 Gag | EQIQ WMYRQQNPIPV | 0.25 | - | - | - | + |
| 63 | 5273 | SIVmac239 Gag | WMYRQQNPIPVGNIY | 0.25 | - | - | - | + |
| 64 | 5274 | SIVmac239 Gag | QQNPIPVGNIYRRWI | 0.25 | - | - | - | + |
| 65 | 5275 | SIVmac239 Gag | IPVGNIYRRWIQLGL | 0.25 | - | - | - | + |
| 66 | 5276 | SIVmac239 Gag | NIYRRWIQLGLQKCV | 0.25 | - | - | - | + |
| 67 | 5277 | SIVmac239 Gag | RWIQLGLQKCVRMYN | 0.25 | - | - | - | + |
| 68 | 5278 | SIVmac239 Gag | LGLQKCVRMYNPTNI | 0.25 | - | - | - | + |
| 69 | 5279 | SIVmac239 Gag | KCVRMYNPTNILDVK | 0.25 | - | - | - | + |
| 70 | 5280 | SIVmac239 Gag | MYNPTNILDVKQGPK | 0.25 | - | - | - | + |
| 71 | 5281 | SIVmac239 Gag | TNILDVKQGPKEPFQ | 0.25 | - | - | - | + |
| 72 | 5282 | SIVmac239 Gag | DVKQGPKEPFQSYVD | 0.25 | - | - | - | + |
| 73 | 5283 | SIVmac239 Gag | GPKEPFQSYVDRFYK | 0.25 | - | - | - | + |
| 74 | 5284 | SIVmac239 Gag | PFQSYVDRFYKSLRA | 0.25 | - | - | - | + |
| 75 | 5285 | SIVmac239 Gag | YVDRFYKSLRAEQTD | 0.25 | - | - | - | + |
| 76 | 5286 | SIVmac239 Gag | FYKSLRAEQTDAAVK | 0.25 | - | - | - | + |
| 77 | 5287 | SIVmac239 Gag | LRAEQTDAAVKNWMT | 0.25 | - | - | - | + |
| 78 | 5288 | SIVmac239 Gag | QTDAAVKNWMTQTLL | 0.25 | - | - | - | + |
| 79 | 5289 | SIVmac239 Gag | AVKNWMTQTLLIQNA | 0.25 | - | - | - | + |
| 80 | 5290 | SIVmac239 Gag | WMTQTLLIQNANPDC | 0.25 | - | - | - | + |
| 81 | 5291 | SIVmac239 Gag | TLLIQNANPDCKLVL | 0.25 | - | - | - | + |
| 82 | 5292 | SIVmac239 Gag | QNANPDCKLVLKGLG | 0.25 | - | - | - | + |
| 83 | 5293 | SIVmac239 Gag | PDCKLVLKGLGVNPT | 0.25 | - | - | - | + |
| 84 | 5294 | SIVmac239 Gag | LVLKGLGVNPTLEEM | 0.25 | - | - | - | + |
| 85 | 5295 | SIVmac239 Gag | GLGVNPTLEEMLTAC | 0.25 | - | - | - | + |
| 86 | 5296 | SIVmac239 Gag | NPTLEEMLTACQGVG | 0.25 | - | - | - | + |
| 87 | 5297 | SIVmac239 Gag | EEMLTACQGVGGPGQ | 0.25 | - | + | - | + |
| 88 | 5298 | SIVmac239 Gag | TACQGVGGPGQKARL | 0.25 | - | + | - | + |
| 89 | 5299 | SIVmac239 Gag | GVGGPGQKARLMAEA | 0.25 | - | + | - | + |
| 90 | 5300 | SIVmac239 Gag | PGQKARLMAEALKEA | 0.25 | - | - | + | + |
| 91 | 5301 | SIVmac239 Gag | ARLMAEALKEALAPV | 0.25 | - | - | - | + |
| 92 | 5302 | SIVmac239 Gag | AEALKEALAPVPIPF | 0.25 | - | + | - | + |
| 93 | 5303 | SIVmac239 Gag | KEALAPVPIPFAAAQ | 0.25 | - | + | - | + |
| 94 | 5304 | SIVmac239 Gag | APVPIPFAAAQQRGP | 0.25 | - | - | - | + |
| 95 | 5305 | SIVmac239 Gag | IPFAAAQQRGPRKPI | 0.25 | - | - | - | + |
| 96 | 5306 | SIVmac239 Gag | AAQQRGPRKPIKCWN | 0.25 | - | - | - | + |
| 97 | 5307 | SIVmac239 Gag | RGPRKPIKCWNCGKE | 0.25 | - | - | - | + |
| 98 | 5308 | SIVmac239 Gag | KPIKCWNCGKEGHSA | 0.25 | - | - | + | + |
| 99 | 5309 | SIVmac239 Gag | CWNCGKEGHSARQCR | 0.25 | - | - | + | + |
| 100 | 5310 | SIVmac239 Gag | GKEGHSARQCRAPRR | 0.25 | - | - | + | + |
| 101 | 5311 | SIVmac239 Gag | HSARQCRAPRRQGCW | 0.25 | - | - | + | + |
| 102 | 5312 | SIVmac239 Gag | QCRAPRRQGCWKCGK | 0.25 | - | - | - | + |
| 103 | 5313 | SIVmac239 Gag | PRRQGCWKCGKMDHV | 0.25 | - | - | - | + |
| 104 | 5314 | SIVmac239 Gag | GCWKCGKMDHVMAKC | 0.25 | - | - | - | + |
| 105 | 5315 | SIVmac239 Gag | CGKMDHVMAKCPDRQ | 0.25 | - | - | - | + |
| 106 | 5316 | SIVmac239 Gag | DHVMAKCPDRQAGFL | 0.25 | - | - | - | + |
| 107 | 5317 | SIVmac239 Gag | AKCPDRQAGFLGLGP | 0.25 | - | - | - | + |
| 108 | 5318 | SIVmac239 Gag | DRQAGFLGLGPWGKK | 0.25 | - | - | - | + |
| 109 | 5319 | SIVmac239 Gag | GFLGLGPWGKKPRNF | 0.25 | - | - | - | + |
| 110 | 5320 | SIVmac239 Gag | LGPWGKKPRNFPMAQ | 0.25 | - | - | - | + |
| 111 | 5321 | SIVmac239 Gag | GKKPRNFPMAQVHQG | 0.25 | - | - | + | + |
| 112 | 5322 | SIVmac239 Gag | RNFPMAQVHQGLMPT | 0.25 | - | - | - | + |
| 113 | 5323 | SIVmac239 Gag | MAQVHQGLMPTAPPE | 0.25 | - | - | - | + |
| 114 | 5324 | SIVmac239 Gag | HQGLMPTAPPEDPAV | 0.25 | - | - | - | + |
| 115 | 5325 | SIVmac239 Gag | MPTAPPEDPAVDLLK | 0.25 | - | - | - | + |
| 116 | 5326 | SIVmac239 Gag | PPEDPAVDLLKNYMQ | 0.25 | - | - | - | + |
| 117 | 5327 | SIVmac239 Gag | PAVDLLKNYMQLGKQ | 0.25 | - | - | - | + |
| 118 | 5328 | SIVmac239 Gag | LLKNYMQLGKQQREK | 0.25 | - | - | - | + |
| 119 | 5329 | SIVmac239 Gag | YMQLGKQQREKQRES | 0.25 | - | - | - | + |
| 120 | 5330 | SIVmac239 Gag | GKQQREKQRESREKP | 0.25 | - | - | - | + |
| 121 | 5331 | SIVmac239 Gag | REKQRESREKPYKEV | 0.25 | - | - | - | + |
| 122 | 5332 | SIVmac239 Gag | RESREKPYKEVTEDL | 0.25 | - | - | - | + |
| 123 | 5333 | SIVmac239 Gag | EKPYKEVTEDLLHLN | 0.25 | - | - | - | + |
| 124 | 5334 | SIVmac239 Gag | KEVTEDLLHLNSLFG | 0.25 | - | - | - | + |
| 125 | 5335 | SIVmac239 Gag | EDLLHLNSLFGGDQ | 0.25 | - | - | - | + |

# Molecular Weight and Purity Data:

Catalog #6204 Lot 140313

|  | **JPT-#** | **Sequence** | **Peptide Name** | **Batch#** | **MW (1) detected [g/mol]** | **MW (1) label** | **MW (2) detected [g/mol]** | **MW (2) label** | **MW (3) detected [g/mol]** | **MW (3) label** | **Theor. MW (average) [g/mol]** | **Theor. MW+TFA [g/mol]** | **Exp. MW vs. Theor. MW** | **Purity [%]** | **Amount [mg]** | **Purified** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 22651\_123 | H-MGVRNSVLSGKKADE-OH | 5211\_SIVmac 239 Gag \_001 | 111213V-27 | 1591.9 | [M+H]+ | 796.0 | [M+2H]2+ | 531.2 | [M+3H]3+ | 1590.80 | 2046.80 | pass | 92.0 | 60.0 | Y |  |
| 2 | 22651\_124 | H-NSVLSGKKADELEKI-OH | 5212\_SIVmac 239 Gag \_002 | 111213V-29 | - | - | 816.1 | [M+2H]2+ | 544.5 | [M+3H]3+ | 1630.84 | 2086.84 | pass | 90.0 | 60.0 | Y |  |
| 3 | 22651\_125 | H-SGKKADELEKIRLRP-OH | 5213\_SIVmac 239 Gag \_003 | 111213V-31 | - | - | 870.6 | [M+2H]2+ | 581.0 | [M+3H]3+ | 1740.03 | 2424.03 | pass | 95.1 | 60.0 | Y |  |
| 4 | 22651\_126 | H-ADELEKIRLRPNGKK-OH | 5214\_SIVmac 239 Gag \_004 | 111213V-33 | 1766.9 | [M+H]+ | 884.1 | [M+2H]2+ | 590.0 | [M+3H]3+ | 1767.05 | 2451.05 | pass | 96.6 | 60.0 | Y |  |
| 5 | 22651\_127 | H-EKIRLRPNGKKKYML-OH | 5215\_SIVmac 239 Gag \_005 | 111213V-35 | 1874.0 | [M+H]+ | 937.7 | [M+2H]2+ | 625.7 | [M+3H]3+ | 1874.31 | 2672.31 | pass | 92.8 | 60.0 | Y |  |
| 6 | 22651\_128 | H-LRPNGKKKYMLKHVV-OH | 5216\_SIVmac 239 Gag \_006 | 111213V-37 | 1812.9 | [M+H]+ | 906.2 | [M+2H]2+ | 604.6 | [M+3H]3+ | 1811.25 | 2609.25 | pass | 96.4 | 60.0 | Y |  |
| 7 | 22651\_129 | H-GKKKYMLKHVVWAAN-OH | 5217\_SIVmac 239 Gag \_007 | 111213V-39 | 1774.8 | [M+H]+ | 887.5 | [M+2H]2+ | 592.0 | [M+3H]3+ | 1773.15 | 2457.15 | pass | 90.2 | 60.0 | Y |  |
| 8 | 22651\_130 | H-YMLKHVVWAANELDR-OH | 5218\_SIVmac 239 Gag \_008 | 111213V-41 | 1846.7 | [M+H]+ | 923.1 | [M+2H]2+ | 616.1 | [M+3H]3+ | 1845.14 | 2301.14 | pass | 90.3 | 61.0 | Y |  |
| 9 | 22651\_131 | H-HVVWAANELDRFGLA-OH | 5219\_SIVmac 239 Gag \_009 | 111213V-43 | 1698.7 | [M+H]+ | 849.5 | [M+2H]2+ | 566.8 | [M+3H]3+ | 1697.91 | 2039.91 | pass | 93.6 | 61.0 | Y |  |
| 10 | 22651\_132 | H-AANELDRFGLAESLL-OH | 5220\_SIVmac 239 Gag \_010 | 111213V-45 | 1619.7 | [M+H]+ | 810.0 | [M+2H]2+ | - | - | 1618.81 | 1846.81 | pass | 96.4 | 60.0 | Y |  |
| 11 | 22651\_133 | H-LDRFGLAESLLENKE-OH | 5221\_SIVmac 239 Gag \_011 | 111213V-47 | - | - | 867.6 | [M+2H]2+ | 578.8 | [M+3H]3+ | 1733.93 | 2075.93 | pass | 91.8 | 61.0 | Y |  |
| 12 | 22651\_134 | H-GLAESLLENKEGCQK-OH | 5222\_SIVmac 239 Gag \_012 | 121213Z-02 | 1618.7 | [M+H]+ | 810.0 | [M+2H]2+ | 540.4 | [M+3H]3+ | 1618.80 | 1960.80 | pass | 96.2 | 61.0 | Y |  |
| 13 | 22651\_135 | H-SLLENKEGCQKILSV-OH | 5223\_SIVmac 239 Gag \_013 | 121213Z-04 | 1662.7 | [M+H]+ | 831.0 | [M+2H]2+ | 554.5 | [M+3H]3+ | 1660.93 | 2002.93 | pass | 94.7 | 60.0 | Y |  |
| 14 | 22651\_136 | H-NKEGCQKILSVLAPL-OH | 5224\_SIVmac 239 Gag \_014 | 121213Z-06 | 1614.8 | [M+H]+ | 807.1 | [M+2H]2+ | 538.5 | [M+3H]3+ | 1612.94 | 1954.94 | pass | 90.6 | 60.0 | Y |  |
| 15 | 22651\_137 | H-CQKILSVLAPLVPTG-OH | 5225\_SIVmac 239 Gag \_015 | 121213Z-08 | 1539.8 | [M+H]+ | 770.1 | [M+2H]2+ | 513.9 | [M+3H]3+ | 1538.91 | 1766.91 | pass | 81.6 | 60.0 | Y |  |
| 16 | 22651\_138 | H-LSVLAPLVPTGSENL-OH | 5226\_SIVmac 239 Gag \_016 | 121213Z-10 | 1509.7 | [M+H]+ | 755.6 | [M+2H]2+ | 504.2 | [M+3H]3+ | 1509.76 | 1623.76 | pass | 84.1 | 60.0 | Y |  |
| 17 | 22651\_139 | H-APLVPTGSENLKSLY-OH | 5227\_SIVmac 239 Gag \_017 | 121213Z-12 | 1590.7 | [M+H]+ | 795.1 | [M+2H]2+ | 530.5 | [M+3H]3+ | 1588.82 | 1816.82 | pass | 87.5 | 61.0 | Y |  |
| 18 | 22651\_140 | H-PTGSENLKSLYNTVC-OH | 5228\_SIVmac 239 Gag \_018 | 121213Z-14 | 1625.6 | [M+H]+ | 813.5 | [M+2H]2+ | - | - | 1625.80 | 1853.80 | pass | 86.2 | 61.0 | Y |  |
| 19 | 22651\_141 | H-ENLKSLYNTVCVIWC-OH | 5229\_SIVmac 239 Gag \_019 | 121213Z-16 | 1786.7 | [M+H]+ | 893.2 | [M+2H]2+ | - | - | 1785.09 | 2013.09 | pass | 81.7 | 60.0 | Y |  |
| 20 | 22651\_142 | H-SLYNTVCVIWCIHAE-OH | 5230\_SIVmac 239 Gag \_020 | 121213Z-18 | 1752.2 | [M+H]+ | 876.2 | [M+2H]2+ | - | - | 1751.04 | 1979.04 | pass | 81.9 | 60.0 | Y |  |
| 21 | 22651\_143 | H-TVCVIWCIHAEEKVK-OH | 5231\_SIVmac 239 Gag \_021 | 121213Z-20 | 1759.8 | [M+H]+ | 880.0 | [M+2H]2+ | 586.9 | [M+3H]3+ | 1758.10 | 2214.10 | pass | 87.1 | 60.0 | Y |  |
| 22 | 22651\_144 | H-IWCIHAEEKVKHTEE-OH | 5232\_SIVmac 239 Gag \_022 | 121213Z-22 | - | - | 927.0 | [M+2H]2+ | 618.2 | [M+3H]3+ | 1852.06 | 2422.06 | pass | 90.0 | 60.0 | Y |  |
| 23 | 22651\_145 | H-HAEEKVKHTEEAKQI-OH | 5233\_SIVmac 239 Gag \_023 | 121213Z-26 | - | - | 889.0 | [M+2H]2+ | 593.2 | [M+3H]3+ | 1776.93 | 2460.93 | pass | 81.7 | 60.0 | Y |  |
| 24 | 22651\_146 | H-KVKHTEEAKQIVQRH-OH | 5234\_SIVmac 239 Gag \_024 | 121213Z-28 | - | - | 916.1 | [M+2H]2+ | 611.2 | [M+3H]3+ | 1831.08 | 2629.08 | pass | 80.6 | 60.0 | Y |  |
| 25 | 22651\_147 | H-TEEAKQIVQRHLVVE-OH | 5235\_SIVmac 239 Gag \_025 | 121213Z-30 | 1780.2 | [M+H]+ | 890.2 | [M+2H]2+ | 594.0 | [M+3H]3+ | 1779.00 | 2235.00 | pass | 90.3 | 60.0 | Y |  |
| 26 | 22651\_148 | H-KQIVQRHLVVETGTT-OH | 5236\_SIVmac 239 Gag \_026 | 121213Z-32 | 1708.8 | [M+H]+ | 855.2 | [M+2H]2+ | 570.6 | [M+3H]3+ | 1708.95 | 2164.95 | pass | 85.7 | 62.0 | Y |  |
| 27 | 22651\_149 | H-QRHLVVETGTTETMP-OH | 5237\_SIVmac 239 Gag \_027 | 121213Z-34 | 1700.7 | [M+H]+ | 850.0 | [M+2H]2+ | 567.2 | [M+3H]3+ | 1698.88 | 2040.88 | pass | 90.0 | 61.0 | Y |  |
| 28 | 22651\_150 | H-VVETGTTETMPKTSR-OH | 5238\_SIVmac 239 Gag \_028 | 121213Z-36 | 1637.8 | [M+H]+ | 819.0 | [M+2H]2+ | 546.5 | [M+3H]3+ | 1636.80 | 1978.80 | pass | 86.1 | 61.0 | Y |  |
| 29 | 22651\_151 | H-GTTETMPKTSRPTAP-OH | 5239\_SIVmac 239 Gag \_029 | 121213Z-38 | 1576.7 | [M+H]+ | 788.0 | [M+2H]2+ | 525.8 | [M+3H]3+ | 1574.75 | 1916.75 | pass | 81.5 | 61.0 | Y |  |
| 30 | 22651\_152 | H-TMPKTSRPTAPSSGR-OH | 5240\_SIVmac 239 Gag \_030 | 121213Z-40 | 1574.7 | [M+H]+ | 787.5 | [M+2H]2+ | 525.5 | [M+3H]3+ | 1573.79 | 2029.79 | pass | 87.0 | 61.0 | Y |  |
| 31 | 22651\_153 | H-TSRPTAPSSGRGGNY-OH | 5241\_SIVmac 239 Gag \_031 | 121213Z-42 | 1507.6 | [M+H]+ | 754.5 | [M+2H]2+ | 503.5 | [M+3H]3+ | 1507.59 | 1849.59 | pass | 89.5 | 61.0 | Y |  |
| 32 | 22651\_154 | H-TAPSSGRGGNYPVQQ-OH | 5242\_SIVmac 239 Gag \_032 | 121213Z-44 | 1518.9 | [M+H]+ | 760.0 | [M+2H]2+ | - | - | 1518.61 | 1746.61 | pass | 90.9 | 61.0 | Y |  |
| 33 | 22651\_155 | H-SGRGGNYPVQQIGGN-OH | 5243\_SIVmac 239 Gag \_033 | 121213Z-46 | 1504.1 | [M+H]+ | 752.5 | [M+2H]2+ | - | - | 1503.59 | 1731.59 | pass | 91.1 | 61.0 | Y |  |
| 34 | 22651\_156 | H-GNYPVQQIGGNYVHL-OH | 5244\_SIVmac 239 Gag \_034 | 131213M-09 | 1659.0 | [M+H]+ | 830.0 | [M+2H]2+ | - | - | 1658.83 | 1886.83 | pass | 84.3 | 61.0 | Y |  |
| 35 | 22651\_157 | H-VQQIGGNYVHLPLSP-OH | 5245\_SIVmac 239 Gag \_035 | 131213M-11 | 1623.1 | [M+H]+ | 811.7 | [M+2H]2+ | - | - | 1621.86 | 1849.86 | pass | 86.0 | 61.0 | Y |  |
| 36 | 22651\_158 | H-GGNYVHLPLSPRTLN-OH | 5246\_SIVmac 239 Gag \_036 | 161213K-02 | 1639.7 | [M+H]+ | 819.6 | [M+2H]2+ | 546.9 | [M+3H]3+ | 1637.86 | 1979.86 | pass | 84.1 | 61.0 | Y |  |
| 37 | 22651\_159 | H-VHLPLSPRTLNAWVK-OH | 5247\_SIVmac 239 Gag \_037 | 161213K-04 | 1731.3 | [M+H]+ | 866.3 | [M+2H]2+ | 578.0 | [M+3H]3+ | 1731.07 | 2187.07 | pass | 85.9 | 61.0 | Y |  |
| 38 | 22651\_160 | H-LSPRTLNAWVKLIEE-OH | 5248\_SIVmac 239 Gag \_038 | 161213K-06 | 1770.1 | [M+H]+ | 885.3 | [M+2H]2+ | 590.9 | [M+3H]3+ | 1769.06 | 2111.06 | pass | 92.5 | 62.0 | Y |  |
| 39 | 22651\_161 | H-TLNAWVKLIEEKKFG-OH | 5249\_SIVmac 239 Gag \_039 | 161213K-08 | 1777.2 | [M+H]+ | 888.7 | [M+2H]2+ | 593.0 | [M+3H]3+ | 1776.08 | 2232.08 | pass | 93.1 | 61.0 | Y |  |
| 40 | 22651\_162 | H-WVKLIEEKKFGAEVV-OH | 5250\_SIVmac 239 Gag \_040 | 161213K-10 | 1776.2 | [M+H]+ | 888.2 | [M+2H]2+ | 592.6 | [M+3H]3+ | 1775.09 | 2231.09 | pass | 89.7 | 62.0 | Y |  |
| 41 | 22651\_163 | H-IEEKKFGAEVVPGFQ-OH | 5251\_SIVmac 239 Gag \_041 | 161213K-12 | 1679.7 | [M+H]+ | 839.6 | [M+2H]2+ | 560.2 | [M+3H]3+ | 1677.90 | 2019.90 | pass | 94.6 | 63.0 | Y |  |
| 42 | 22651\_164 | H-KFGAEVVPGFQALSE-OH | 5252\_SIVmac 239 Gag \_042 | 161213K-14 | 1579.7 | [M+H]+ | 790.0 | [M+2H]2+ | - | - | 1578.78 | 1806.78 | pass | 90.1 | 62.0 | Y |  |
| 43 | 22651\_165 | H-EVVPGFQALSEGCTP-OH | 5253\_SIVmac 239 Gag \_043 | 161213K-16 | 1534.6 | [M+H]+ | 767.5 | [M+2H]2+ | - | - | 1533.71 | 1647.71 | pass | 84.0 | 62.0 | Y |  |
| 44 | 22651\_166 | H-GFQALSEGCTPYDIN-OH | 5254\_SIVmac 239 Gag \_044 | 161213K-18 | 1615.1 | [M+H]+ | 808.0 | [M+2H]2+ | - | - | 1614.75 | 1728.75 | pass | 90.0 | 62.0 | Y |  |
| 45 | 22651\_167 | H-LSEGCTPYDINQMLN-OH | 5255\_SIVmac 239 Gag \_045 | 161213K-20 | 1698.6 | [M+H]+ | 849.5 | [M+2H]2+ | - | - | 1697.89 | 1811.89 | pass | 94.8 | 62.0 | Y |  |
| 46 | 22651\_168 | H-CTPYDINQMLNCVGD-OH | 5256\_SIVmac 239 Gag \_046 | 161213K-22 | 1687.5 | [M+H]+ | 843.5 | [M+2H]2+ | - | - | 1685.90 | 1799.90 | pass | 90.7 | 62.0 | Y |  |
| 47 | 22651\_169 | H-DINQMLNCVGDHQAA-OH | 5257\_SIVmac 239 Gag \_047 | 161213K-24 | 1630.6 | [M+H]+ | 815.0 | [M+2H]2+ | 543.8 | [M+3H]3+ | 1628.79 | 1856.79 | pass | 90.4 | 62.0 | Y |  |
| 48 | 22651\_170 | H-MLNCVGDHQAAMQII-OH | 5258\_SIVmac 239 Gag \_048 | 161213K-26 | 1644.1 | [M+H]+ | 822.5 | [M+2H]2+ | - | - | 1643.95 | 1871.95 | pass | 93.4 | 62.0 | Y |  |
| 49 | 22651\_171 | H-VGDHQAAMQIIRDII-OH | 5259\_SIVmac 239 Gag \_049 | 161213K-28 | 1680.3 | [M+H]+ | 840.7 | [M+2H]2+ | - | - | 1679.96 | 2021.96 | pass | 94.4 | 61.0 | Y |  |
| 50 | 22651\_172 | H-QAAMQIIRDIINEEA-OH | 5260\_SIVmac 239 Gag \_050 | 161213K-30 | 1716.7 | [M+H]+ | 858.1 | [M+2H]2+ | 572.5 | [M+3H]3+ | 1714.95 | 1942.95 | pass | 94.2 | 62.0 | Y |  |
| 51 | 22651\_173 | H-QIIRDIINEEAADWD-OH | 5261\_SIVmac 239 Gag \_051 | 161213K-32 | 1800.9 | [M+H]+ | 901.1 | [M+2H]2+ | - | - | 1800.94 | 2028.94 | pass | 89.4 | 62.0 | Y |  |
| 52 | 22651\_174 | H-DIINEEAADWDLQHP-OH | 5262\_SIVmac 239 Gag \_052 | 161213K-34 | 1766.0 | [M+H]+ | 883.5 | [M+2H]2+ | - | - | 1765.85 | 1993.85 | pass | 87.8 | 62.0 | Y |  |
| 53 | 22651\_175 | H-EEAADWDLQHPQPAP-OH | 5263\_SIVmac 239 Gag \_053 | 161213K-36 | 1704.6 | [M+H]+ | 852.5 | [M+2H]2+ | - | - | 1703.79 | 1931.79 | pass | 97.1 | 62.0 | Y |  |
| 54 | 22651\_176 | H-DWDLQHPQPAPQQGQ-OH | 5264\_SIVmac 239 Gag \_054 | 161213K-38 | 1746.6 | [M+H]+ | 873.0 | [M+2H]2+ | 582.6 | [M+3H]3+ | 1744.85 | 1972.85 | pass | 87.7 | 62.0 | Y |  |
| 55 | 22651\_177 | H-QHPQPAPQQGQLREP-OH | 5265\_SIVmac 239 Gag \_055 | 161213K-40 | 1710.8 | [M+H]+ | 856.0 | [M+2H]2+ | 571.2 | [M+3H]3+ | 1710.88 | 2052.88 | pass | 93.5 | 62.0 | Y |  |
| 56 | 22651\_178 | H-PAPQQGQLREPSGSD-OH | 5266\_SIVmac 239 Gag \_056 | 161213K-42 | 1567.6 | [M+H]+ | 784.0 | [M+2H]2+ | 523.0 | [M+3H]3+ | 1566.66 | 1794.66 | pass | 90.9 | 62.0 | Y |  |
| 57 | 22651\_179 | H-QGQLREPSGSDIAGT-OH | 5267\_SIVmac 239 Gag \_057 | 161213K-44 | 1516.7 | [M+H]+ | 758.5 | [M+2H]2+ | - | - | 1515.60 | 1743.60 | pass | 91.8 | 62.0 | Y |  |
| 58 | 22651\_180 | H-REPSGSDIAGTTSSV-OH | 5268\_SIVmac 239 Gag \_058 | 161213K-46 | 1463.9 | [M+H]+ | 732.5 | [M+2H]2+ | - | - | 1463.52 | 1691.52 | pass | 94.0 | 62.0 | Y |  |
| 59 | 22651\_181 | H-GSDIAGTTSSVDEQI-OH | 5269\_SIVmac 239 Gag \_059 | 161213K-48 | 1480.0 | [M+H]+ | 740.5 | [M+2H]2+ | - | - | 1479.51 | 1593.51 | pass | 88.4 | 62.0 | Y |  |
| 60 | 22651\_182 | H-AGTTSSVDEQIQWMY-OH | 5270\_SIVmac 239 Gag \_060 | 161213V-02 | 1717.7 | [M+H]+ | 859.0 | [M+2H]2+ | - | - | 1715.84 | 1829.84 | pass | 91.5 | 62.0 | Y |  |
| 61 | 22651\_183 | H-SSVDEQIQWMYRQQN-OH | 5271\_SIVmac 239 Gag \_061 | 161213V-04 | 1912.8 | [M+H]+ | 956.5 | [M+2H]2+ | 638.3 | [M+3H]3+ | 1912.06 | 2140.06 | pass | 92.2 | 62.0 | Y |  |
| 62 | 22651\_184 | H-EQIQ WMYRQQNPIPV-OH | 5272\_SIVmac 239 Gag \_062 | 161213V-06 | 1932.0 | [M+H]+ | 966.0 | [M+2H]2+ | - | - | 1930.21 | 2158.21 | pass | 95.0 | 62.0 | Y |  |
| 63 | 22651\_185 | H-WMYRQQNPIPVGNIY-OH | 5273\_SIVmac 239 Gag \_063 | 161213V-08 | 1880.1 | [M+H]+ | 940.2 | [M+2H]2+ | - | - | 1879.17 | 2107.17 | pass | 90.6 | 62.0 | Y |  |
| 64 | 22651\_186 | H-QQNPIPVGNIYRRWI-OH | 5274\_SIVmac 239 Gag \_064 | 161213V-10 | - | - | 928.1 | [M+2H]2+ | 619.0 | [M+3H]3+ | 1854.15 | 2196.15 | pass | 83.6 | 62.0 | Y |  |
| 65 | 22651\_187 | H-IPVGNIYRRWIQLGL-OH | 5275\_SIVmac 239 Gag \_065 | 161213V-12 | 1799.2 | [M+H]+ | 899.7 | [M+2H]2+ | 600.3 | [M+3H]3+ | 1798.17 | 2140.17 | pass | 92.3 | 62.0 | Y |  |
| 66 | 22651\_188 | H-NIYRRWIQLGLQKCV-OH | 5276\_SIVmac 239 Gag \_066 | 161213V-14 | 1892.2 | [M+H]+ | 946.0 | [M+2H]2+ | 631.0 | [M+3H]3+ | 1890.28 | 2346.28 | pass | 92.7 | 62.0 | Y |  |
| 67 | 22651\_189 | H-RWIQLGLQKCVRMYN-OH | 5277\_SIVmac 239 Gag \_067 | 161213V-16 | 1910.1 | [M+H]+ | 954.8 | [M+2H]2+ | 637.0 | [M+3H]3+ | 1908.31 | 2364.31 | pass | 88.1 | 62.0 | Y |  |
| 68 | 22651\_190 | H-LGLQKCVRMYNPTNI-OH | 5278\_SIVmac 239 Gag \_068 | 161213V-18 | 1750.3 | [M+H]+ | 875.7 | [M+2H]2+ | 584.2 | [M+3H]3+ | 1750.10 | 2092.10 | pass | 87.5 | 62.0 | Y |  |
| 69 | 22651\_191 | H-KCVRMYNPTNILDVK-OH | 5279\_SIVmac 239 Gag \_069 | 161213V-20 | 1796.0 | [M+H]+ | 897.7 | [M+2H]2+ | 599.0 | [M+3H]3+ | 1794.15 | 2250.15 | pass | 81.8 | 62.0 | Y |  |
| 70 | 22651\_192 | H-MYNPTNILDVKQGPK-OH | 5280\_SIVmac 239 Gag \_070 | 161213V-22 | 1719.8 | [M+H]+ | 859.5 | [M+2H]2+ | 573.5 | [M+3H]3+ | 1717.99 | 2059.99 | pass | 82.2 | 62.0 | Y |  |
| 71 | 22651\_193 | H-TNILDVKQGPKEPFQ-OH | 5281\_SIVmac 239 Gag \_071 | 161213V-24 | 1714.8 | [M+H]+ | 857.6 | [M+2H]2+ | 572.2 | [M+3H]3+ | 1713.94 | 2055.94 | pass | 92.9 | 62.0 | Y |  |
| 72 | 22651\_194 | H-DVKQGPKEPFQSYVD-OH | 5282\_SIVmac 239 Gag \_072 | 161213V-26 | 1738.7 | [M+H]+ | 869.0 | [M+2H]2+ | 579.9 | [M+3H]3+ | 1736.90 | 2078.90 | pass | 91.0 | 62.0 | Y |  |
| 73 | 22651\_195 | H-GPKEPFQSYVDRFYK-OH | 5283\_SIVmac 239 Gag \_073 | 161213V-28 | 1860.8 | [M+H]+ | 931.5 | [M+2H]2+ | 621.3 | [M+3H]3+ | 1861.10 | 2317.10 | pass | 89.9 | 62.0 | Y |  |
| 74 | 22651\_196 | H-PFQSYVDRFYKSLRA-OH | 5284\_SIVmac 239 Gag \_074 | 161213V-30 | 1877.9 | [M+H]+ | 939.6 | [M+2H]2+ | 626.7 | [M+3H]3+ | 1877.16 | 2333.16 | pass | 86.8 | 62.0 | Y |  |
| 75 | 22651\_197 | H-YVDRFYKSLRAEQTD-OH | 5285\_SIVmac 239 Gag \_075 | 161213V-32 | - | - | 946.0 | [M+2H]2+ | 631.3 | [M+3H]3+ | 1891.08 | 2347.08 | pass | 95.3 | 62.0 | Y |  |
| 76 | 22651\_198 | H-FYKSLRAEQTDAAVK-OH | 5286\_SIVmac 239 Gag \_076 | 161213V-34 | 1726.8 | [M+H]+ | 864.5 | [M+2H]2+ | 576.5 | [M+3H]3+ | 1726.95 | 2182.95 | pass | 87.2 | 62.0 | Y |  |
| 77 | 22651\_199 | H-LRAEQTDAAVKNWMT-OH | 5287\_SIVmac 239 Gag \_077 | 161213V-36 | 1733.8 | [M+H]+ | 867.6 | [M+2H]2+ | 578.8 | [M+3H]3+ | 1733.94 | 2075.94 | pass | 84.4 | 62.0 | Y |  |
| 78 | 22651\_200 | H-QTDAAVKNWMTQTLL-OH | 5288\_SIVmac 239 Gag \_078 | 161213V-38 | 1719.7 | [M+H]+ | 860.6 | [M+2H]2+ | 574.2 | [M+3H]3+ | 1719.95 | 1947.95 | pass | 83.7 | 62.0 | Y |  |
| 79 | 22651\_201 | H-AVKNWMTQTLLIQNA-OH | 5289\_SIVmac 239 Gag \_079 | 161213V-40 | 1732.7 | [M+H]+ | 866.0 | [M+2H]2+ | 577.9 | [M+3H]3+ | 1731.02 | 1959.02 | pass | 86.7 | 62.0 | Y |  |
| 80 | 22651\_202 | H-WMTQTLLIQNANPDC-OH | 5290\_SIVmac 239 Gag \_080 | 161213V-42 | 1748.3 | [M+H]+ | 874.7 | [M+2H]2+ | - | - | 1747.99 | 1861.99 | pass | 86.6 | 62.0 | Y |  |
| 81 | 22651\_203 | H-TLLIQNANPDCKLVL-OH | 5291\_SIVmac 239 Gag \_081 | 161213V-44 | 1656.8 | [M+H]+ | 828.1 | [M+2H]2+ | 552.5 | [M+3H]3+ | 1654.98 | 1882.98 | pass | 93.6 | 62.0 | Y |  |
| 82 | 22651\_204 | H-QNANPDCKLVLKGLG-OH | 5292\_SIVmac 239 Gag \_082 | 161213V-46 | 1570.3 | [M+H]+ | 785.6 | [M+2H]2+ | - | - | 1569.83 | 1911.83 | pass | 92.7 | 62.0 | Y |  |
| 83 | 22651\_205 | H-PDCKLVLKGLGVNPT-OH | 5293\_SIVmac 239 Gag \_083 | 161213V-48 | 1555.8 | [M+H]+ | 777.5 | [M+2H]2+ | 518.8 | [M+3H]3+ | 1553.87 | 1895.87 | pass | 86.3 | 62.0 | Y |  |
| 84 | 22651\_206 | H-LVLKGLGVNPTLEEM-OH | 5294\_SIVmac 239 Gag \_084 | 301213G-02 | 1614.8 | [M+H]+ | 807.1 | [M+2H]2+ | - | - | 1612.92 | 1840.92 | pass | 91.7 | 62.0 | Y |  |
| 85 | 22651\_207 | H-GLGVNPTLEEMLTAC-OH | 5295\_SIVmac 239 Gag \_085 | 301213G-04 | 1549.6 | [M+H]+ | 774.5 | [M+2H]2+ | - | - | 1547.78 | 1661.78 | pass | 81.7 | 62.0 | Y |  |
| 86 | 22651\_208 | H-NPTLEEMLTACQGVG-OH | 5296\_SIVmac 239 Gag \_086 | 301213G-06 | 1563.6 | [M+H]+ | 782.0 | [M+2H]2+ | - | - | 1562.75 | 1676.75 | pass | 93.7 | 62.0 | Y |  |
| 87 | 22651\_209 | H-EEMLTACQGVGGPGQ-OH | 5297\_SIVmac 239 Gag \_087 | 301213G-08 | 1478.6 | [M+H]+ | 739.0 | [M+2H]2+ | - | - | 1476.62 | 1590.62 | pass | 83.4 | 62.0 | Y |  |
| 88 | 22651\_210 | H-TACQGVGGPGQKARL-OH | 5298\_SIVmac 239 Gag \_088 | 301213G-10 | 1444.6 | [M+H]+ | 722.0 | [M+2H]2+ | 481.8 | [M+3H]3+ | 1442.65 | 1784.65 | pass | 82.1 | 62.0 | Y |  |
| 89 | 22651\_211 | H-GVGGPGQKARLMAEA-OH | 5299\_SIVmac 239 Gag \_089 | 301213G-12 | 1442.9 | [M+H]+ | 721.5 | [M+2H]2+ | - | - | 1441.66 | 1783.66 | pass | 91.6 | 62.0 | Y |  |
| 90 | 22651\_212 | H-PGQKARLMAEALKEA-OH | 5300\_SIVmac 239 Gag \_090 | 301213G-14 | 1614.7 | [M+H]+ | 807.1 | [M+2H]2+ | 538.5 | [M+3H]3+ | 1612.90 | 2068.90 | pass | 85.4 | 62.0 | Y |  |
| 91 | 22651\_213 | H-ARLMAEALKEALAPV-OH | 5301\_SIVmac 239 Gag \_091 | 301213G-16 | 1582.8 | [M+H]+ | 792.1 | [M+2H]2+ | 528.5 | [M+3H]3+ | 1582.92 | 1924.92 | pass | 88.9 | 62.0 | Y |  |
| 92 | 22651\_214 | H-AEALKEALAPVPIPF-OH | 5302\_SIVmac 239 Gag \_092 | 301213G-18 | 1566.3 | [M+H]+ | 783.6 | [M+2H]2+ | - | - | 1565.88 | 1793.88 | pass | 92.8 | 62.0 | Y |  |
| 93 | 22651\_215 | H-KEALAPVPIPFAAAQ-OH | 5303\_SIVmac 239 Gag \_093 | 301213G-20 | 1523.7 | [M+H]+ | 762.1 | [M+2H]2+ | 508.5 | [M+3H]3+ | 1522.82 | 1750.82 | pass | 95.6 | 62.0 | Y |  |
| 94 | 22651\_216 | H-APVPIPFAAAQQRGP-OH | 5304\_SIVmac 239 Gag \_094 | 301213G-22 | 1519.7 | [M+H]+ | 760.5 | [M+2H]2+ | 507.5 | [M+3H]3+ | 1519.79 | 1747.79 | pass | 95.7 | 62.0 | Y |  |
| 95 | 22651\_217 | H-IPFAAAQQRGPRKPI-OH | 5305\_SIVmac 239 Gag \_095 | 301213G-24 | 1651.1 | [M+H]+ | 825.7 | [M+2H]2+ | 551.0 | [M+3H]3+ | 1649.98 | 2105.98 | pass | 92.9 | 62.0 | Y |  |
| 96 | 22651\_218 | H-AAQQRGPRKPIKCWN-OH | 5306\_SIVmac 239 Gag \_096 | 301213G-26 | - | - | 877.1 | [M+2H]2+ | 585.3 | [M+3H]3+ | 1753.06 | 2323.06 | pass | 84.5 | 62.0 | Y |  |
| 97 | 22651\_219 | H-RGPRKPIKCWNCGKE-OH | 5307\_SIVmac 239 Gag \_097 | 301213G-28 | 1772.7 | [M+H]+ | 887.0 | [M+2H]2+ | 591.5 | [M+3H]3+ | 1772.11 | 2456.11 | pass | 87.0 | 62.0 | Y |  |
| 98 | 22651\_220 | H-KPIKCWNCGKEGHSA-OH | 5308\_SIVmac 239 Gag \_098 | 301213G-30 | 1659.6 | [M+H]+ | 829.5 | [M+2H]2+ | 553.5 | [M+3H]3+ | 1657.91 | 2227.91 | pass | 92.4 | 62.0 | Y |  |
| 99 | 22651\_221 | H-CWNCGKEGHSARQCR-OH | 5309\_SIVmac 239 Gag \_099 | 301213G-32 | - | - | 868.0 | [M+2H]2+ | 579.1 | [M+3H]3+ | 1734.94 | 2304.94 | pass | 85.1 | 62.0 | Y |  |
| 100 | 22651\_222 | H-GKEGHSARQCRAPRR-OH | 5310\_SIVmac 239 Gag \_100 | 301213G-34 | - | - | 855.5 | [M+2H]2+ | 570.5 | [M+3H]3+ | 1708.93 | 2506.93 | pass | 86.9 | 62.0 | Y |  |
| 101 | 22651\_223 | H-HSARQCRAPRRQGCW-OH | 5311\_SIVmac 239 Gag \_101 | 301213G-36 | - | - | 907.0 | [M+2H]2+ | 605.0 | [M+3H]3+ | 1812.08 | 2496.08 | pass | 89.9 | 62.0 | Y |  |
| 102 | 22651\_224 | H-QCRAPRRQGCWKCGK-OH | 5312\_SIVmac 239 Gag \_102 | 301213G-38 | - | - | 889.5 | [M+2H]2+ | 593.2 | [M+3H]3+ | 1777.12 | 2461.12 | pass | 93.1 | 62.0 | Y |  |
| 103 | 22651\_225 | H-PRRQGCWKCGKMDHV-OH | 5313\_SIVmac 239 Gag \_103 | 301213G-40 | - | - | 901.5 | [M+2H]2+ | 601.3 | [M+3H]3+ | 1801.13 | 2485.13 | pass | 92.3 | 62.0 | Y |  |
| 104 | 22651\_226 | H-GCWKCGKMDHVMAKC-OH | 5314\_SIVmac 239 Gag \_104 | 301213G-42 | 1697.6 | [M+H]+ | 849.5 | [M+2H]2+ | 566.5 | [M+3H]3+ | 1697.08 | 2267.08 | pass | 83.3 | 62.0 | Y |  |
| 105 | 22651\_227 | H-CGKMDHVMAKCPDRQ-OH | 5315\_SIVmac 239 Gag \_105 | 301213G-44 | - | - | 860.0 | [M+2H]2+ | 573.8 | [M+3H]3+ | 1719.04 | 2289.04 | pass | 89.8 | 62.0 | Y |  |
| 106 | 22651\_228 | H-DHVMAKCPDRQAGFL-OH | 5316\_SIVmac 239 Gag \_106 | 301213G-46 | 1689.7 | [M+H]+ | 844.5 | [M+2H]2+ | 563.5 | [M+3H]3+ | 1687.96 | 2143.96 | pass | 83.3 | 62.0 | Y |  |
| 107 | 22651\_229 | H-AKCPDRQAGFLGLGP-OH | 5317\_SIVmac 239 Gag \_107 | 301213G-48 | 1531.7 | [M+H]+ | 765.5 | [M+2H]2+ | 510.8 | [M+3H]3+ | 1529.79 | 1871.79 | pass | 95.1 | 62.0 | Y |  |
| 108 | 22651\_230 | H-DRQAGFLGLGPWGKK-OH | 5318\_SIVmac 239 Gag \_108 | 060114Y-01 | 1630.7 | [M+H]+ | 815.6 | [M+2H]2+ | 544.2 | [M+3H]3+ | 1629.88 | 2085.88 | pass | 93.3 | 62.0 | Y |  |
| 109 | 22651\_231 | H-GFLGLGPWGKKPRNF-OH | 5319\_SIVmac 239 Gag \_109 | 060114Y-03 | 1674.2 | [M+H]+ | 837.7 | [M+2H]2+ | 558.9 | [M+3H]3+ | 1673.98 | 2129.98 | pass | 89.2 | 62.0 | Y |  |
| 110 | 22651\_232 | H-LGPWGKKPRNFPMAQ-OH | 5320\_SIVmac 239 Gag \_110 | 060114Y-05 | 1728.8 | [M+H]+ | 864.1 | [M+2H]2+ | 576.5 | [M+3H]3+ | 1727.06 | 2183.06 | pass | 96.5 | 62.0 | Y |  |
| 111 | 22651\_233 | H-GKKPRNFPMAQVHQG-OH | 5321\_SIVmac 239 Gag \_111 | 060114Y-07 | 1694.7 | [M+H]+ | 848.1 | [M+2H]2+ | 565.8 | [M+3H]3+ | 1694.97 | 2264.97 | pass | 97.3 | 62.0 | Y |  |
| 112 | 22651\_234 | H-RNFPMAQVHQGLMPT-OH | 5322\_SIVmac 239 Gag \_112 | 060114Y-09 | 1726.7 | [M+H]+ | 864.5 | [M+2H]2+ | 576.5 | [M+3H]3+ | 1727.03 | 2069.03 | pass | 96.0 | 62.0 | Y |  |
| 113 | 22651\_235 | H-MAQVHQGLMPTAPPE-OH | 5323\_SIVmac 239 Gag \_113 | 060114Y-11 | 1607.6 | [M+H]+ | 804.0 | [M+2H]2+ | 536.4 | [M+3H]3+ | 1606.87 | 1834.87 | pass | 89.6 | 62.0 | Y |  |
| 114 | 22651\_236 | H-HQGLMPTAPPEDPAV-OH | 5324\_SIVmac 239 Gag \_114 | 060114Y-13 | 1560.1 | [M+H]+ | 780.5 | [M+2H]2+ | - | - | 1559.76 | 1787.76 | pass | 88.9 | 62.0 | Y |  |
| 115 | 22651\_237 | H-MPTAPPEDPAVDLLK-OH | 5325\_SIVmac 239 Gag \_115 | 060114Y-15 | 1595.0 | [M+H]+ | 797.7 | [M+2H]2+ | - | - | 1593.86 | 1821.86 | pass | 89.4 | 62.0 | Y |  |
| 116 | 22651\_238 | H-PPEDPAVDLLKNYMQ-OH | 5326\_SIVmac 239 Gag \_116 | 060114Y-17 | 1729.8 | [M+H]+ | 865.5 | [M+2H]2+ | 577.5 | [M+3H]3+ | 1729.97 | 1957.97 | pass | 81.4 | 62.0 | Y |  |
| 117 | 22651\_239 | H-PAVDLLKNYMQLGKQ-OH | 5327\_SIVmac 239 Gag \_117 | 060114Y-19 | 1718.2 | [M+H]+ | 859.7 | [M+2H]2+ | 573.6 | [M+3H]3+ | 1718.04 | 2060.04 | pass | 90.6 | 62.0 | Y |  |
| 118 | 22651\_240 | H-LLKNYMQLGKQQREK-OH | 5328\_SIVmac 239 Gag \_118 | 060114Y-21 | 1879.2 | [M+H]+ | 939.7 | [M+2H]2+ | 626.7 | [M+3H]3+ | 1877.22 | 2447.22 | pass | 94.5 | 62.0 | Y |  |
| 119 | 22651\_241 | H-YMQLGKQQREKQRES-OH | 5329\_SIVmac 239 Gag \_119 | 060114Y-23 | 1909.2 | [M+H]+ | 955.3 | [M+2H]2+ | 637.3 | [M+3H]3+ | 1909.14 | 2479.14 | pass | 97.0 | 62.0 | Y |  |
| 120 | 22651\_242 | H-GKQQREKQRESREKP-OH | 5330\_SIVmac 239 Gag \_120 | 060114Y-25 | - | - | 942.6 | [M+2H]2+ | 628.9 | [M+3H]3+ | 1884.07 | 2682.07 | pass | 91.0 | 62.0 | Y |  |
| 121 | 22651\_243 | H-REKQRESREKPYKEV-OH | 5331\_SIVmac 239 Gag \_121 | 060114Y-27 | - | - | 982.2 | [M+2H]2+ | 655.0 | [M+3H]3+ | 1962.18 | 2760.18 | pass | 97.0 | 62.0 | Y |  |
| 122 | 22651\_244 | H-RESREKPYKEVTEDL-OH | 5332\_SIVmac 239 Gag \_122 | 060114Y-29 | - | - | 940.5 | [M+2H]2+ | 627.3 | [M+3H]3+ | 1879.04 | 2449.04 | pass | 83.6 | 62.0 | Y |  |
| 123 | 22651\_245 | H-EKPYKEVTEDLLHLN-OH | 5333\_SIVmac 239 Gag \_123 | 060114Y-31 | 1828.3 | [M+H]+ | 914.8 | [M+2H]2+ | 610.2 | [M+3H]3+ | 1828.03 | 2284.03 | pass | 88.3 | 62.0 | Y |  |
| 124 | 22651\_246 | H-KEVTEDLLHLNSLFG-OH | 5334\_SIVmac 239 Gag \_124 | 060114Y-33 | 1716.8 | [M+H]+ | 858.1 | [M+2H]2+ | 572.5 | [M+3H]3+ | 1714.92 | 2056.92 | pass | 91.4 | 62.0 | Y |  |
| 125 | 22651\_247 | H-EDLLHLNSLFGGDQ-OH | 5335\_SIVmac 239 Gag \_125 | 060114Y-35 | 1557.6 | [M+H]+ | 779.5 | [M+2H]2+ | - | - | 1557.68 | 1785.68 | pass | 93.4 | 62.0 | Y |  |