Contents

Sequence, purity, molecular weight and peptide content data……………………………………………………………………………………………………………………………….2

**Please note, in an effort to better serve our registrants, we have been creating pools from most of our peptide sets. Lot 190412 of cat# 9480 was synthesized and made into sets as well as a pool (cat# 12540, lot# 190434). Thus, all the data included in this file applies to both the set and the pool.**

## Sequence, Molecular Weight, Purity, and Peptide Content Data

HIV-1 Consensus B Env peptides, obtained from LANL HIV databases, Env 2004 consensus B sequence.

MRVKGIRKNYQHLWRWGTMLLGMLMICSAAEKLWVTVYYGVPVWKEATTTLFCASDAKAYDTEVHNVWATHACVPTDPNPQEVVLENVTENFNMWKNNMVEQMHEDIISLWDQSLKPCVKLTPLCVTLNCTDLMNATNTNTTIIYRWRGEIKNCSFNITTSIRDKVQKEYALFYKLDVVPIDNDNTSYRLISCNTSVITQACPKVSFEPIPIHYCAPAGFAILKCNDKKFNGTGPCTNVSTVQCTHGIRPVVSTQLLLNGSLAEEEVVIRSENFTDNAKTIIVQLNESVEINCTRPNNNTRKSIHIGPGRAFYTTGEIIGDIRQAHCNISRAKWNNTLKQIVKKLREQFGNKTIVFNQSSGGDPEIVMHSFNCGGEFFYCNTTQLFNSTWNGTWNNTEGNITLPCRIKQIINMWQEVGKAMYAPPIRGQIRCSSNITGLLLTRDGGNNETEIFRPGGGDMRDNWRSELYKYKVVKIEPLGVAPTKAKRRVVQREKRAVGIGAMFLGFLGAAGSTMGAASMTLTVQARQLLSGIVQQQNNLLRAIEAQQHLLQLTVWGIKQLQARVLAVERYLKDQQLLGIWGCSGKLICTTAVPWNASWSNKSLDEIWDNMTWMEWEREIDNYTSLIYTLIEESQNQQEKNEQELLELDKWASLWNWFDITNWLWYIKIFIMIVGGLVGLRIVFAVLSIVNRVRQGYSPLSFQTRLPAPRGPDRPEGIEEEGGERDRDRSGRLVDGFLALIWDDLRSLCLFSYHRLRDLLLIVTRIVELLGRRGWEVLKYWWNLLQYWSQELKNSAVSLLNATAIAVAEGTDRVIEVVQRACRAILHIPRRIRQGLERALL

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.

| **ARP Lot #** | **Sequence** | **Molecular Weight (amu)** | **Purity (%)** | **Peptide Content (µM)** |
| --- | --- | --- | --- | --- |
| 190412-001 | MRVKGIRKNYQHLWR | 1985.4 | 80.00 | 3297 |
| 190412-002 | GIRKNYQHLWRWGTM | 1946.3 | 80.00 | 3367 |
|  190412-003 | NYQHLWRWGTMLLGM | 1906.3 | 80.00 | 3981 |
| 190412-004 | LWRWGTMLLGMLMIC | 1824.4 | 80.00 | 4649 |
|  190412-005 | GTMLLGMLMICSAAE | 1541.0 | 80.00 | 5745 |
| 190412-006 | LGMLMICSAAEKLWV | 1665.1 | 80.00 | 5672 |
|  190412-007 | MICSAAEKLWVTVYY | 1777.1 | 80.00 | 4374 |
| 190412-008 | AAEKLWVTVYYGVPV | 1695.0 | 80.00 | 5107 |
|  190412-009 | LWVTVYYGVPVWKEA | 1810.1 | 80.00 | 5138 |
| 190412-010 | VYYGVPVWKEATTTL | 1727.0 | 80.00 | 4183 |
| 190412-011 | VPVWKEATTTLFCAS | 1652.9 | 80.00 | 5542 |
|  190412-012 | KEATTTLFCASDAKA | 1556.8 | 80.00 | 4515 |
| 190412-013 | TTLFCASDAKAYDTE | 1635.8 | 80.00 | 4995 |
| 190412-014 | CASDAKAYDTEVHNV | 1622.7 | 80.00 | 4815 |
| 190412-015 | AKAYDTEVHNVWATH | 1741.9 | 80.00 | 4271 |
|  190412-016 | DTEVHNVWATHACVP | 1678.8 | 80.00 | 4332 |
|  190412-017 | HNVWATHACVPTDPN | 1661.8 | 80.00 | 4227 |
|  190412-018 | ATHACVPTDPNPQEV | 1578.7 | 80.00 | 5233 |
|  190412-019 | CVPTDPNPQEVVLEN | 1653.8 | 80.00 | 5368 |
|  190412-020 | DPNPQEVVLENVTEN | 1696.8 | 80.00 | 4009 |
|  190412-021 | QEVVLENVTENFNMW | 1852.1 | 80.00 | 4600 |
|  190412-022 | LENVTENFNMWKNNM | 1884.1 | 80.00 | 4917 |
|  190412-023 | TENFNMWKNNMVEQM | 1916.2 | 80.00 | 4217 |
|  190412-024 | NMWKNNMVEQMHEDI | 1919.2 | 80.00 | 2996 |
|  190412-025 | NNMVEQMHEDIISLW | 1859.1 | 80.00 | 4234 |
|  190412-026 | EQMHEDIISLWDQSL | 1844.0 | 80.00 | 4301 |
|  190412-027 | EDIISLWDQSLKPCV | 1746.0 | 80.00 | 4609 |
|  190412-028 | SLWDQSLKPCVKLTP | 1715.0 | 80.00 | 3910 |
|  190412-029 | QSLKPCVKLTPLCVT | 1630.0 | 80.00 | 4874 |
|  190412-030 | PCVKLTPLCVTLNCT | 1605.0 | 80.00 | 5516 |
|  190412-031 | LTPLCVTLNCTDLMN | 1651.0 | 80.00 | 5218 |
|  190412-032 | CVTLNCTDLMNATNT | 1613.9 | 80.00 | 5998 |
|  190412-033 | NCTDLMNATNTTNSS | 1586.7 | 80.00 | 5825 |
|  190412-034 | LMNATNTTNSSSGEK | 1554.7 | 80.00 | 4948 |
|  190412-035 | TNTTNSSSGEKMEKG | 1570.7 | 80.00 | 4837 |
|  190412-036 | NSSSGEKMEKGEIKN | 1637.8 | 80.00 | 4446 |
|  190412-037 | GEKMEKGEIKNCSFN | 1714.0 | 80.00 | 3475 |
|  190412-038 | EKGEIKNCSFNITTS | 1670.9 | 80.00 | 4577 |
|  190412-039 | IKNCSFNITTSIRDK | 1740.0 | 80.00 | 4318 |
|  190412-040 | SFNITTSIRDKVQKE | 1766.0 | 80.00 | 3126 |
|  190412-041 | TTSIRDKVQKEYALF | 1799.1 | 80.00 | 4059 |
|  190412-042 | RDKVQKEYALFYKLD | 1916.2 | 80.00 | 3643 |
|  190412-043 | QKEYALFYKLDVVPI | 1826.2 | 80.00 | 4260 |
|  190412-044 | ALFYKLDVVPIDNDN | 1736.0 | 80.00 | 5065 |
|  190412-045 | KLDVVPIDNDNTSSY | 1679.8 | 80.00 | 4550 |
|  190412-046 | VPIDNDNTSSYRLIS | 1693.8 | 80.00 | 4543 |
|  190412-047 | NDNTSSYRLISCNTS | 1674.8 | 80.00 | 5479 |
|  190412-048 | SSYRLISCNTSVITQ | 1671.9 | 80.00 | 5541 |
|  190412-049 | LISCNTSVITQACPK | 1577.9 | 80.00 | 4765 |
|  190412-050 | NTSVITQACPKVSFE | 1623.8 | 80.00 | 5529 |
|  190412-051 | ITQACPKVSFEPIPI | 1643.0 | 80.00 | 4904 |
|  190412-052 | CPKVSFEPIPIHYCA | 1704.0 | 80.00 | 4652 |
|  190412-053 | SFEPIPIHYCAPAGF | 1648.9 | 80.00 | 4582 |
|  190412-054 | IPIHYCAPAGFAILK | 1614.0 | 80.00 | 4111 |
|  190412-055 | YCAPAGFAILKCNDK | 1613.9 | 80.00 | 4316 |
|  190412-056 | AGFAILKCNDKKFNG | 1625.9 | 80.00 | 4670 |
|  190412-057 | ILKCNDKKFNGTGPC | 1637.9 | 80.00 | 4331 |
|  190412-058 | NDKKFNGTGPCTNVS | 1581.7 | 80.00 | 4728 |
|  190412-059 | FNGTGPCTNVSTVQC | 1527.7 | 80.00 | 5989 |
|  190412-060 | GPCTNVSTVQCTHGI | 1516.7 | 80.00 | 5417 |
|  190412-061 | NVSTVQCTHGIRPVV | 1609.9 | 80.00 | 4797 |
|  190412-062 | VQCTHGIRPVVSTQL | 1637.9 | 80.00 | 4344 |
|  190412-063 | HGIRPVVSTQLLLNG | 1603.9 | 80.00 | 4647 |
|  190412-064 | PVVSTQLLLNGSLAE | 1540.8 | 80.00 | 5969 |
|  190412-065 | TQLLLNGSLAEEEVV | 1614.8 | 80.00 | 5591 |
|  190412-066 | LNGSLAEEEVVIRSE | 1644.8 | 80.00 | 5129 |
|  190412-067 | LAEEEVVIRSENFTN | 1749.9 | 80.00 | 4967 |
|  190412-068 | EVVIRSENFTNNAKT | 1721.9 | 80.00 | 4674 |
|  190412-069 | RSENFTNNAKTIIVQ | 1734.9 | 80.00 | 3859 |
|  190412-070 | FTNNAKTIIVQLNES | 1691.9 | 80.00 | 5247 |
|  190412-071 | AKTIIVQLNESVEIN | 1670.9 | 80.00 | 5316 |
|  190412-072 | IVQLNESVEINCTRP | 1715.0 | 80.00 | 4822 |
|  190412-073 | NESVEINCTRPNNNT | 1704.8 | 80.00 | 4197 |
|  190412-074 | EINCTRPNNNTRKSI | 1760.0 | 80.00 | 4012 |
|  190412-075 | TRPNNNTRKSIHIGP | 1704.9 | 80.00 | 4105 |
|  190412-076 | NNTRKSIHIGPGRAF | 1667.9 | 80.00 | 3791 |
|  190412-077 | KSIHIGPGRAFYTTG | 1604.8 | 80.00 | 4518 |
|  190412-078 | IGPGRAFYTTGEIIG | 1551.8 | 80.00 | 4967 |
|  190412-079 | RAFYTTGEIIGDIRQ | 1739.9 | 80.00 | 4415 |
|  190412-080 | TTGEIIGDIRQAHCN | 1627.8 | 80.00 | 4559 |
|  190412-081 | IIGDIRQAHCNISRA | 1666.9 | 80.00 | 4743 |
|  190412-082 | IRQAHCNISRAKWNN | 1811.1 | 80.00 | 4720 |
|  190412-083 | HCNISRAKWNNTLKQ | 1813.1 | 80.00 | 3587 |
|  190412-084 | SRAKWNNTLKQIVKK | 1814.2 | 80.00 | 3508 |
|  190412-085 | WNNTLKQIVKKLREQ | 1898.2 | 80.00 | 3888 |
|  190412-086 | LKQIVKKLREQFGNK | 1829.2 | 80.00 | 3703 |
|  190412-087 | VKKLREQFGNKTIVF | 1807.2 | 80.00 | 4005 |
|  190412-088 | REQFGNKTIVFNQSS | 1754.9 | 80.00 | 4541 |
|  190412-089 | GNKTIVFNQSSGGDP | 1520.6 | 80.00 | 4229 |
|  190412-090 | IVFNQSSGGDPEIVM | 1592.8 | 80.00 | 3122 |
|  190412-091 | QSSGGDPEIVMHSFN | 1604.7 | 80.00 | 5319 |
|  190412-092 | GDPEIVMHSFNCGGE | 1591.7 | 80.00 | 5612 |
|  190412-093 | IVMHSFNCGGEFFYC | 1754.0 | 80.00 | 5082 |
|  190412-094 | SFNCGGEFFYCNTTQ | 1717.9 | 80.00 | 5441 |
|  190412-095 | GGEFFYCNTTQLFNS | 1727.9 | 80.00 | 5216 |
|  190412-096 | FYCNTTQLFNSTWNV | 1838.0 | 80.00 | 5017 |
|  190412-097 | TTQLFNSTWNVNGTW | 1768.9 | 80.00 | 5160 |
|  190412-098 | FNSTWNVNGTWNNNT | 1768.8 | 80.00 | 4832 |
|  190412-099 | WNVNGTWNNNTEGND | 1734.7 | 80.00 | 4848 |
|  190412-100 | GTWNNNTEGNDTITL | 1649.7 | 80.00 | 3809 |
|  190412-101 | NNTEGNDTITLPCRI | 1660.8 | 80.00 | 4405 |
|  190412-102 | GNDTITLPCRIKQII | 1685.0 | 80.00 | 4671 |
|  190412-103 | ITLPCRIKQIINMWQ | 1857.3 | 80.00 | 4111 |
|  190412-104 | CRIKQIINMWQEVGK | 1846.3 | 80.00 | 4493 |
|  190412-105 | QIINMWQEVGKAMYA | 1782.1 | 80.00 | 4802 |
|  190412-106 | MWQEVGKAMYAPPIR | 1777.1 | 80.00 | 4142 |
|  190412-107 | VGKAMYAPPIRGQIR | 1657.0 | 80.00 | 4652 |
|  190412-108 | MYAPPIRGQIRCSSN | 1693.0 | 80.00 | 4362 |
|  190412-109 | PIRGQIRCSSNITGL | 1614.9 | 80.00 | 5039 |
|  190412-110 | QIRCSSNITGLLLTR | 1675.0 | 80.00 | 4914 |
|  190412-111 | SSNITGLLLTRDGGN | 1517.7 | 80.00 | 5156 |
|  190412-112 | TGLLLTRDGGNNNTN | 1559.7 | 80.00 | 5001 |
|  190412-113 | LTRDGGNNNTNETEI | 1647.7 | 80.00 | 4889 |
|  190412-114 | GGNNNTNETEIFRPG | 1619.7 | 80.00 | 5384 |
|  190412-115 | NTNETEIFRPGGGDM | 1637.7 | 80.00 | 4832 |
|  190412-116 | TEIFRPGGGDMRDNW | 1750.9 | 80.00 | 3951 |
|  190412-117 | RPGGGDMRDNWRSEL | 1745.9 | 80.00 | 4392 |
|  190412-118 | GDMRDNWRSELYKYK | 1961.2 | 80.00 | 3375 |
|  190412-119 | DNWRSELYKYKVVKI | 1941.3 | 80.00 | 3475 |
|  190412-120 | SELYKYKVVKIEPLG | 1766.1 | 80.00 | 4575 |
|  190412-121 | KYKVVKIEPLGVAPT | 1642.0 | 80.00 | 4547 |
|  190412-122 | VKIEPLGVAPTKAKR | 1607.0 | 80.00 | 4060 |
|  190412-123 | PLGVAPTKAKRRVVQ | 1620.0 | 80.00 | 3805 |
|  190412-124 | APTKAKRRVVQREKR | 1823.2 | 80.00 | 3464 |
|  190412-125 | AKRRVVQREKRAVGI | 1766.1 | 80.00 | 3665 |
|  190412-126 | VVQREKRAVGIGAMF | 1661.0 | 80.00 | 4330 |
|  190412-127 | EKRAVGIGAMFLGFL | 1609.0 | 80.00 | 4518 |
|  190412-128 | VGIGAMFLGFLGAAG | 1380.7 | 80.00 | 6103 |
|  190412-129 | AMFLGFLGAAGSTMG | 1430.7 | 80.00 | 6541 |
|  190412-130 | GFLGAAGSTMGAASM | 1328.5 | 80.00 | 6805 |
|  190412-131 | AAGSTMGAASMTLTV | 1368.6 | 80.00 | 5627 |
|  190412-132 | TMGAASMTLTVQARQ | 1565.8 | 80.00 | 4930 |
|  190412-133 | ASMTLTVQARQLLSG | 1575.9 | 80.00 | 5325 |
|  190412-134 | LTVQARQLLSGIVQQ | 1653.9 | 80.00 | 5134 |
|  190412-135 | ARQLLSGIVQQQNNL | 1681.9 | 80.00 | 3424 |
|  190412-136 | LSGIVQQQNNLLRAI | 1666.9 | 80.00 | 4857 |
|  190412-137 | VQQQNNLLRAIEAQQ | 1752.9 | 80.00 | 4172 |
|  190412-138 | NNLLRAIEAQQHLLQ | 1761.0 | 80.00 | 4618 |
|  190412-139 | RAIEAQQHLLQLTVW | 1806.1 | 80.00 | 4888 |
|  190412-140 | AQQHLLQLTVWGIKQ | 1763.1 | 80.00 | 4508 |
|  190412-141 | LLQLTVWGIKQLQAR | 1767.1 | 80.00 | 5997 |
|  190412-142 | TVWGIKQLQARVLAV | 1682.0 | 80.00 | 4763 |
|  190412-143 | IKQLQARVLAVERYL | 1800.2 | 80.00 | 4748 |
|  190412-144 | QARVLAVERYLKDQQ | 1817.1 | 80.00 | 4680 |
|  190412-145 | LAVERYLKDQQLLGI | 1759.1 | 80.00 | 4371 |
|  190412-146 | RYLKDQQLLGIWGCS | 1780.1 | 80.00 | 4773 |
|  190412-147 | DQQLLGIWGCSGKLI | 1630.9 | 80.00 | 4756 |
|  190412-148 | LGIWGCSGKLICTTT | 1552.9 | 80.00 | 4721 |
|  190412-149 | GCSGKLICTTTVPWN | 1579.9 | 80.00 | 4670 |
|  190412-150 | KLICTTTVPWNASWS | 1707.0 | 80.00 | 4413 |
|  190412-151 | TTTVPWNASWSNKSL | 1691.9 | 80.00 | 4466 |
|  190412-152 | PWNASWSNKSLDEIW | 1833.0 | 80.00 | 4601 |
|  190412-153 | SWSNKSLDEIWDNMT | 1826.0 | 80.00 | 3596 |
|  190412-154 | KSLDEIWDNMTWMEW | 1984.2 | 80.00 | 3364 |
|  190412-155 | EIWDNMTWMEWEREI | 2068.3 | 80.00 | 4626 |
|  190412-156 | NMTWMEWEREIDNYT | 2018.2 | 80.00 | 3954 |
|  190412-157 | MEWEREIDNYTSLIY | 1962.2 | 80.00 | 4850 |
|  190412-158 | REIDNYTSLIYTLIE | 1843.1 | 80.00 | 4844 |
|  190412-159 | NYTSLIYTLIEESQN | 1787.9 | 80.00 | 5229 |
|  190412-160 | LIYTLIEESQNQQEK | 1836.1 | 80.00 | 4769 |
|  190412-161 | LIEESQNQQEKNEQE | 1845.9 | 80.00 | 4155 |
|  190412-162 | SQNQQEKNEQELLEL | 1829.9 | 80.00 | 4793 |
|  190412-163 | QEKNEQELLELDKWA | 1873.1 | 80.00 | 2027 |
|  190412-164 | EQELLELDKWASLWN | 1874.1 | 80.00 | 3975 |
|  190412-165 | LELDKWASLWNWFDI | 1936.2 | 80.00 | 3624 |
|  190412-166 | KWASLWNWFDITNWL | 1980.3 | 80.00 | 3966 |
|  190412-167 | LWNWFDITNWLWYIK | 2098.4 | 80.00 | 4111 |
|  190412-168 | FDITNWLWYIKIFIM | 2003.4 | 80.00 | 3962 |
|  190412-169 | NWLWYIKIFIMIVGG | 1853.3 | 80.00 | 4266 |
|  190412-170 | YIKIFIMIVGGLIGL | 1650.1 | 80.00 | 3952 |
|  190412-171 | FIMIVGGLIGLRIVF | 1648.1 | 80.00 | 5166 |
|  190412-172 | VGGLIGLRIVFAVLS | 1513.9 | 80.00 | 5905 |
|  190412-173 | IGLRIVFAVLSIVNR | 1670.1 | 80.00 | 5221 |
|  190412-174 | IVFAVLSIVNRVRQG | 1671.0 | 80.00 | 4740 |
|  190412-175 | VLSIVNRVRQGYSPL | 1701.0 | 80.00 | 4803 |
|  190412-176 | VNRVRQGYSPLSFQT | 1752.0 | 80.00 | 5056 |
|  190412-177 | RQGYSPLSFQTRLPA | 1720.9 | 80.00 | 3928 |
|  190412-178 | SPLSFQTRLPAPRGP | 1623.9 | 80.00 | 4769 |
|  190412-179 | FQTRLPAPRGPDRPE | 1737.0 | 80.00 | 4144 |
|  190412-180 | LPAPRGPDRPEGIEE | 1632.8 | 80.00 | 5067 |
|  190412-181 | RGPDRPEGIEEEGGE | 1626.7 | 80.00 | 4561 |
|  190412-182 | RPEGIEEEGGERDRD | 1743.8 | 80.00 | 3809 |
|  190412-183 | IEEEGGERDRDRSGR | 1760.8 | 80.00 | 3729 |
|  190412-184 | GGERDRDRSGRLVDG | 1644.7 | 80.00 | 3865 |
|  190412-185 | DRDRSGRLVDGFLAL | 1689.9 | 80.00 | 4217 |
|  190412-186 | SGRLVDGFLALIWDD | 1676.9 | 80.00 | 5216 |
|  190412-187 | VDGFLALIWDDLRSL | 1733.0 | 80.00 | 4773 |
|  190412-188 | LALIWDDLRSLCLFS | 1765.1 | 80.00 | 4901 |
|  190412-189 | WDDLRSLCLFSYHRL | 1924.2 | 80.00 | 3761 |
|  190412-190 | RSLCLFSYHRLRDLL | 1892.3 | 80.00 | 3748 |
|  190412-191 | LFSYHRLRDLLLIVT | 1859.2 | 80.00 | 4628 |
|  190412-192 | HRLRDLLLIVTRIVE | 1846.3 | 80.00 | 4352 |
|  190412-193 | DLLLIVTRIVELLGR | 1723.1 | 80.00 | 4446 |
|  190412-194 | IVTRIVELLGRRGWE | 1797.1 | 80.00 | 4607 |
|  190412-195 | IVELLGRRGWEVLKY | 1831.2 | 80.00 | 4060 |
|  190412-196 | LGRRGWEVLKYWWNL | 1976.3 | 80.00 | 4351 |
|  190412-197 | GWEVLKYWWNLLQYW | 2084.4 | 80.00 | 3370 |
|  190412-198 | LKYWWNLLQYWSQEL | 2070.4 | 80.00 | 3649 |
|  190412-199 | WNLLQYWSQELKNSA | 1880.1 | 80.00 | 3897 |
|  190412-200 | QYWSQELKNSAVSLL | 1766.0 | 80.00 | 5085 |
|  190412-201 | QELKNSAVSLLNATA | 1558.8 | 80.00 | 5283 |
|  190412-202 | NSAVSLLNATAIAVA | 1414.6 | 80.00 | 5360 |
|  190412-203 | SLLNATAIAVAEGTD | 1445.6 | 80.00 | 5851 |
|  190412-204 | ATAIAVAEGTDRVIE | 1515.7 | 80.00 | 5276 |
|  190412-205 | AVAEGTDRVIEVVQR | 1641.8 | 80.00 | 4209 |
|  190412-206 | GTDRVIEVVQRACRA | 1672.9 | 80.00 | 4441 |
|  190412-207 | VIEVVQRACRAILHI | 1720.1 | 80.00 | 4761 |
|  190412-208 | VQRACRAILHIPRRI | 1802.2 | 80.00 | 3405 |
|  190412-209 | CRAILHIPRRIRQGL | 1802.2 | 80.00 | 3569 |
|  190412-210 | LHIPRRIRQGLERAL | 1828.2 | 80.00 | 3944 |
|  190412-211 | RRIRQGLERALL | 1480.8 | 80.00 | 5053 |