

Data Sheet

NAME: HIV-1 96ZM651 env gp140 overlapping peptides

REPOSITORY REFERENCE: ARP7104.1-169

PURITY: >80%

SIZE: 15 mers with 11 amino acid overlap

SPECIAL CHARACTERISTICS: This product is supplied as a trifluoroacetate salt.
(See below for sequences and solubility information)

STORAGE: -20°C

SOURCE: Centralised Facility for AIDS Reagents, NIBSC, UK

ACKNOWLEDGEMENTS: Publications should acknowledge the donor of the reagent and the Programme EVA Centre for AIDS Reagents. Suggested wording can be found on our website at <http://www.nibsc.ac.uk/spotlight/aidsreagent/index.html> in the “Acknowledgements” section. Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR (this can be electronically or as a paper copy)

SOLUBILITY DATA

ARP	Sequence	Mass	Solubility PBS	Solubility DMSO
7104.001	MRVREILRNWQRWWT	2129.1	+	+
7104.002	EILRNWQRWWTWGIL	2056.1	○	+
7104.003	NWQRWWTWGILGFWM	2066.0	-	+
7104.004	WWTWGILGFWMLMIC	1941.9	+	+
7104.005	GILGFWMLMICNVWG	1738.8	○	+
7104.006	FWMLMICNVWGNLWV	1910.9	-	+
7104.007	MICNVWGNLWVTVYY	1859.9	+	+
7104.008	VWGNLWVTVYYGVPV	1750.9	+	+
7104.009	LWVTVYYGVPVWKEA	1808.9	-	+
7104.010	VYYGVPVWKEAKTTL	1752.9	+	+
7104.011	VPVWKEAKTTLFCAS	1678.9	+	+
7104.012	KEAKTTLFCASDAKS	1598.8	+	+
7104.013	TTLFCASDAKSYEKE	1691.8	+	+
7104.014	CASDAKSYEKEVHNV	1678.7	+	+
7104.015	AKSYEKEVHNVWATH	1797.9	+	+
7104.016	EKEVHNVWATHACVP	1718.8	+	+
7104.017	HNVWATHACVPTDPN	1660.7	+	+
7104.018	ATHACVPTDPNPQEI	1591.7	+	+
7104.019	CVPTDPNPQEIVLGN	1594.7	○	+
7104.020	DPNPQEIVLGNVTEN	1637.8	-	+
7104.021	QEIVLGNVTENFNMW	1792.8	-	+
7104.022	LGNVTENFNMWKNDM	1811.8	○	+
7104.023	TENFNMWKNDMVDQM	1901.8	+	+
7104.024	NMWKNDMVDQMHEDI	1904.8	+	+
7104.025	NDMVDQMHEDIISLW	1844.8	-	+
7104.026	DQMHEDIISLWDQSL	1828.8	+	+
7104.027	EDIISLWDQSLKPCV	1744.8	+	+
7104.028	SLWDQSLKPCVKLTP	1713.9	+	+
7104.029	QSLKPCVKLTPLCVT	1628.9	+	+
7104.030	PCVKLTPLCVTLNCT	1603.8	+	+
7104.031	LTPLCVTLNCTEVNV	1617.8	-	+
7104.032	CVTLNCTEVNVTRNV	1663.8	+	+
7104.033	NCTEVNVTRNVNNSV	1661.8	+	+
7104.034	VNVTRNVNNSVVNNT	1642.8	+	+
7104.035	RNVNNSVVNNTTNVN	1657.8	+	+
7104.036	NSVVNNTTNVNNSMN	1620.7	+	+
7104.037	NNTTNVNNSMNGDMK	1652.7	+	+
7104.038	NVNNSMNGDMKNCSF	1673.6	+	+
7104.039	SMNGDMKNCSFNITT	1661.7	+	+
7104.040	DMKNCSFNITTELKD	1757.8	+	+
7104.041	CSFNITTELKDKKKN	1767.9	+	+
7104.042	ITTELKDKKKNVYAL	1763.0	+	+
7104.043	LKDKKKNVYALFYKL	1870.1	+	+

ARP	Sequence	Mass	Solubility PBS	Solubility DMSO
7104.044	KKNVYALFYKLDIVS	1800.0	○	+
7104.045	YALFYKLDIVSLNET	1787.9	○	+
7104.046	YKLDIVSLNETDDSE	1739.8	+	+
7104.047	IVSLNETDDSETGNS	1579.7	+	+
7104.048	NETDDSETGNSSKYY	1708.6	+	+
7104.049	DSETGNSSKYRLIN	1745.8	+	+
7104.050	GNSSKYRLINCNTS	1718.8	+	+
7104.051	KYYRLINCNTSALTQ	1786.9	+	+
7104.052	LINCNTSALTQACPK	1575.8	+	+
7104.053	NTSALTQACPKVSFD	1580.7	+	+
7104.054	LTQACPKVSFDPIPI	1627.8	+	+
7104.055	CPKVSFDPIPIHYCA	1688.8	+	+
7104.056	SFDPIPIHYCAPAGY	1649.7	+	+
7104.057	IPIHYCAPAGYAILK	1628.8	+	+
7104.058	YCAPAGYAILKCNNK	1627.8	+	+
7104.059	AGYAILKCNNKTFNG	1612.8	+	+
7104.060	ILKCNNKTFNGTGPC	1608.7	+	+
7104.061	NNKTFNGTGPCHNVS	1588.7	+	+
7104.062	FNGTGPCHNVSTVQC	1562.7	+	+
7104.063	GPCHNVSTVQCTHGI	1551.7	+	+
7104.064	NVSTVQCTHGIKPVV	1580.8	+	+
7104.065	VQCTHGIKPVVSTQL	1608.9	+	+
7104.066	HGIKPVVSTQLLLNG	1574.9	+	+
7104.067	PVVSTQLLLNGSLAE	1539.8	-	+
7104.068	TQLLLNGSLAEEGII	1569.8	-	+
7104.069	LNGSLAEEGIIIRSE	1599.8	-	+
7104.070	LAEEGIIIRSENLTN	1670.8	-	+
7104.071	GIIIRSENLTNNVKT	1670.9	+	+
7104.072	RSENLTNNVKTIIVH	1736.9	+	+
7104.073	LTNNVKTIIVHLNRS	1721.0	+	+
7104.074	VKTIIVHLNRSIEIV	1733.0	-	+
7104.075	IVHLNRSIEIVCVRP	1747.0	+	+
7104.076	NRSIEIVCVRPNNNT	1727.8	+	+
7104.077	EIVCVRPNNNTRQSI	1741.9	+	+
7104.078	VRPNNNTRQSIRIGP	1720.9	+	+
7104.079	NNTRQSIRIGPGQTF	1687.9	+	+
7104.080	QSIRIGPGQTFYATG	1594.8	+	+
7104.081	IGPGQTFYATGDIIG	1508.7	-	+
7104.082	QTFYATGDIIGDIRQ	1696.8	-	+
7104.083	ATGDIIGDIRQAHCN	1582.7	+	+
7104.084	IIGDIRQAHCNISRT	1695.9	+	+
7104.085	IRQAHCNISRTNWTK	1826.9	+	+
7104.086	HCNISRTNWTKTLRE	1857.9	+	+
7104.087	SRTNWTKTLREVRNK	1888.0	+	+

ARP	Sequence	Mass	Solubility PBS	Solubility DMSO
7104.088	WTKTLREVRNKLREH	1965.1	+	+
7104.089	LREVRNKLREHFPNK	1935.1	+	+
7104.090	RNKLREHFPNKNITF	1913.0	+	+
7104.091	REHFPNKNITFKPSS	1800.9	+	+
7104.092	PNKNITFKPSSGGDL	1573.8	+	+
7104.093	ITFKPSSGGDLEITT	1564.8	+	+
7104.094	PSSGGDLEITTHSFN	1560.7	+	+
7104.095	GDLEITTHSFNCRGE	1677.7	+	+
7104.096	ITTHSFNCRGEFFYC	1823.8	+	+
7104.097	SFNCRGEFFYCNTSG	1730.7	-	+
7104.098	RGEFFYCNTSGLFSI	1739.8	-	+
7104.099	FYCNTSGLFSINYTE	1757.7	-	+
7104.100	TSGLFSINYTEENNTD	1674.7	-	+
7104.101	FSINYTEENNTDGTP	1684.7	-	+
7104.102	YENNTDGTPITLPC	1637.7	+	+
7104.103	NTDGTPITLPCRIRQ	1683.9	+	+
7104.104	TPITLPCRIRQIINM	1768.0	+	+
7104.105	LPCRIRQIINMWQEV	1898.0	-	+
7104.106	IRQIINMWQEVGRAM	1843.9	-	+
7104.107	INMWQEVGRAMYAPP	1761.8	○	+
7104.108	QEVGRAMYAPPIEGN	1630.8	+	+
7104.109	RAMYAPPIEGNIACK	1632.8	+	+
7104.110	APPIEGNIACKSDIT	1527.7	+	+
7104.111	EGNIACKSDITGLLL	1545.8	+	+
7104.112	ACKSDITGLLLVRDG	1559.8	+	+
7104.113	DITGLLLVRDGGSTN	1529.8	+	+
7104.114	LLLRDGGSTNDSTN	1560.8	+	+
7104.115	RDGGSTNDSTNNNTE	1580.6	+	+
7104.116	STNDSTNNNTEIFRP	1708.7	+	+
7104.117	STNNNTEIFRPAGGD	1591.7	+	+
7104.118	NTEIFRPAGGDMRDN	1691.8	+	+
7104.119	FRPAGGDMRDNRSE	1792.8	+	+
7104.120	GGDMRDNRSELYKY	1888.8	+	+
7104.121	RDNWRSELYKYKVE	1984.0	+	+
7104.122	RSELYKYKVEIKPL	1864.0	+	+
7104.123	YKYKVEIKPLGIAP	1717.0	+	+
7104.124	VVEIKPLGIAPTEAK	1563.9	+	+
7104.125	KPLGIAPTEAKRRVV	1634.0	+	+
7104.126	IAPTEAKRRVVEREK	1781.0	+	+
7104.127	EAKRRVVEREKRAVG	1782.0	+	+
7104.128	RVVEREKRAVGIGAV	1638.0	+	+
7104.129	REKRAVGIGAVFLGF	1618.9	+	+
7104.130	AVGIGAVFLGFLGAA	1361.8	-	+
7104.131	GAVFLGFLGAAGSTM	1397.7	-	+

ARP	Sequence	Mass	Solubility PBS	Solubility DMSO
7104.132	LGFLGAAGSTMGAAS	1309.6	+	+
7104.133	GAAGSTMGAASITLT	1307.6	+	+
7104.134	STMGAASITLTAQAR	1477.8	+	+
7104.135	AASITLTAQARQVLS	1528.9	○	+
7104.136	TLTAQARQVLSGIVQ	1583.9	○	+
7104.137	QARQVLSGIVQQQSN	1654.9	○	+
7104.138	VLSGIVQQQSNLLRA	1624.9	○	+
7104.139	IVQQQSNLLRAIEAQ	1709.9	○	+
7104.140	QSNLLRAIEAQQHLL	1732.9	+	+
7104.141	LRAIEAQQHLLQLTV	1732.0	○	+
7104.142	EAQQHLLQLTVWGIK	1763.0	+	+
7104.143	HLLQLTVWGIKQLQT	1777.0	+	+
7104.144	LTVWGIKQLQTRVLA	1725.0	○	+
7104.145	GIKQLQTRVLAIERY	1787.0	+	+
7104.146	LQTRVLAIERYLKDQ	1845.0	+	+
7104.147	VLAIERYLKDQQLLG	1758.0	+	+
7104.148	ERYLKDQQLLGLWGC	1820.9	+	+
7104.149	KDQQLLGLWGCSGKL	1644.8	+	+
7104.150	LLGLWGCSGKLICTT	1563.8	-	+
7104.151	WGCSGKLICTTAVPW	1620.8	○	+
7104.152	GKLICTTAVPWNISW	1687.9	○	+
7104.153	CTTAVPWNISWSNKS	1692.8	+	+
7104.154	VPWNISWSNKSCTDI	1773.9	+	+
7104.155	ISWSNKSCTDIWDNM	1823.8	+	+
7104.156	NKSKTDIWDNMTWMQ	1896.8	+	+
7104.157	TDIWDNMTWMQWDRE	2025.8	○	+
7104.158	DNMTWMQWDREISNY	1987.8	○	+
7104.159	WMQWDREISNYTNTI	1955.9	○	+
7104.160	DREISNYTNTIYRLL	1869.9	-	+
7104.161	SNYTNTIYRLLLEDQ	1815.8	+	+
7104.162	NTIYRLLLEDQSQQE	1822.8	+	+
7104.163	RLLLEDQSQQEQNEK	1830.8	+	+
7104.164	DSQSQQEQNEKDLLA	1731.8	+	+
7104.165	QQEQNEKDLLALDSW	1815.8	+	+
7104.166	NEKDLLALDSWNNLW	1829.9	+	+
7104.167	LLALDSWNNLWNWFD	1905.9	-	+
7104.168	DSWNNLWNWFDITKW	2023.9	-	+
7104.169	NLWNWFDITKWLW	1820.9	-	+

Solubility Estimation:

"+" clear solution of approx. 1mg peptide in 1ml PBS or DMSO

"○" gel formation

"-" incomplete solubility of approx. 1mg peptide in 1ml PBS or DMSO

SEQUENCE AND QC LIST

ARP	Sequence	Comment	Analytics
ARP7104.1	MRVREILRNWQRWWT		HPLC & MS
ARP7104.2	EILRNWQRWWTWGIL		HPLC & MS
ARP7104.3	NWQRWWTWGILGFWM		HPLC & MS
ARP7104.4	WWTWGILGFWMLMIC	HPLC NOT FEASIBLE	ESI MS & MALDI MS
ARP7104.5	GILGFWMLMICNVWG	HPLC NOT FEASIBLE	ESI TRAP MS & ESI QUAD MS
ARP7104.6	FWMLMICNVWGNLWV	HPLC NOT FEASIBLE	ESI TRAP MS & ESI QUAD MS
ARP7104.7	MICNVWGNLWVTVYY	HPLC NOT FEASIBLE	ESI MS & MALDI MS
ARP7104.8	VWGNLWVTVYYGVPV		HPLC & MS
ARP7104.9	LWVTVYYGVPVWKEA		HPLC & MS
ARP7104.10	VYYGVPVWKEAKTTL		HPLC & MS
ARP7104.11	VPVWKEAKTTLFCAS		HPLC & MS
ARP7104.12	KEAKTTLFCASDAKS		HPLC & MS
ARP7104.13	TTLFCASDAKSYEKE		HPLC & MS
ARP7104.14	CASDAKSYEKEVHNV		HPLC & MS
ARP7104.15	AKSYEKEVHNVWATH		HPLC & MS
ARP7104.16	EKEVHNVWATHACVP		HPLC & MS
ARP7104.17	HNVWATHACVPTDPN		HPLC & MS
ARP7104.18	ATHACVPTDPNPQEI		HPLC & MS
ARP7104.19	CVPTDPNPQEIVLGN		HPLC & MS
ARP7104.20	DPNPQEIVLGNVTEN		HPLC & MS
ARP7104.21	QEIVLGNVTENFNMW	HPLC NOT FEASIBLE	ESI MS & MALDI MS
ARP7104.22	LGNVTENFNMWKNDM		HPLC & MS
ARP7104.23	TENFNMWKNDMVDQM		HPLC & MS
ARP7104.24	NMWKNDMVDQMHEIDI		HPLC & MS
ARP7104.25	NDMVDQMHEIDIISLW		HPLC & MS
ARP7104.26	DQMHEIDIISLWDQSL		HPLC & MS
ARP7104.27	EDIISLWDQSLKPCV		HPLC & MS
ARP7104.28	SLWDQSLKPCVKLTP		HPLC & MS
ARP7104.29	QSLKPCVKLTPLCVT		HPLC & MS
ARP7104.30	PCVKLTPLCVTLNCT		HPLC & MS
ARP7104.31	LTPLCVTLNCTEVNV		HPLC & MS
ARP7104.32	CVTLNCTEVNVTRNV		HPLC & MS
ARP7104.33	NCTEVNVTRNVNNSV		HPLC & MS
ARP7104.34	VNVTRNVNNSVVNNT		HPLC & MS
ARP7104.35	RNVNNSVVNNTTNVN		HPLC & MS
ARP7104.36	NSVVNNTTNVNNSMN		HPLC & MS
ARP7104.37	NNTTNVNNSMNGDMK		HPLC & MS
ARP7104.38	NVNNSMNGDMKNCSF		HPLC & MS
ARP7104.39	SMNGDMKNCSFNITT		HPLC & MS
ARP7104.40	DMKNCSFNITTELKD		HPLC & MS
ARP7104.41	CSFNITTELKDKKKN		HPLC & MS
ARP7104.42	ITTELKDKKKNVYAL		HPLC & MS
ARP7104.43	LKDKKKNVYALFYKL		HPLC & MS

ARP	Sequence	Comment	Analytics
ARP7104.44	KKNVYALFYKLDIVS		HPLC & MS
ARP7104.45	YALFYKLDIVSLNET		HPLC & MS
ARP7104.46	YKLDIVSLNETDDSE		HPLC & MS
ARP7104.47	IVSLNETDDSETGNS		HPLC & MS
ARP7104.48	NETDDSETGNSSKYY		HPLC & MS
ARP7104.49	DSETGNSSKYYRLIN		HPLC & MS
ARP7104.50	GNSSKYYRLINCNTS		HPLC & MS
ARP7104.51	KYYRLINCNTSALTQ		HPLC & MS
ARP7104.52	LINCNTSALTQACPK		HPLC & MS
ARP7104.53	NTSALTQACPKVSFD		HPLC & MS
ARP7104.54	LTQACPKVSFDPIPI		HPLC & MS
ARP7104.55	CPKVSFDPIPIHYCA		HPLC & MS
ARP7104.56	SFDPIPIHYCAPAGY		HPLC & MS
ARP7104.57	IPIHYCAPAGYAILK		HPLC & MS
ARP7104.58	YCAPAGYAILKCNK		HPLC & MS
ARP7104.59	AGYAILKCNKTFNG		HPLC & MS
ARP7104.60	ILKCNKTFNGTGPC		HPLC & MS
ARP7104.61	NNKTFNGTGPCHNVS		HPLC & MS
ARP7104.62	FNGTGPCHNVSTVQC		HPLC & MS
ARP7104.63	GPCHNVSTVQCTHGI		HPLC & MS
ARP7104.64	NVSTVQCTHGKPVV		HPLC & MS
ARP7104.65	VQCTHGKPVVSTQL		HPLC & MS
ARP7104.66	HGIKPVVSTQLLLNG		HPLC & MS
ARP7104.67	PVVSTQLLNGSLAE		HPLC & MS
ARP7104.68	TQLLNGSLAEEGII		HPLC & MS
ARP7104.69	LNGSLAEEGIIIRSE		HPLC & MS
ARP7104.70	LAEEGIIIRSENLTN		HPLC & MS
ARP7104.71	GIIIRSENLTNNVKT		HPLC & MS
ARP7104.72	RSENLTNNVKTIIVH		HPLC & MS
ARP7104.73	LTNNVKTIIVHLNRS		HPLC & MS
ARP7104.74	VKTIIVHLNRSIEIV		HPLC & MS
ARP7104.75	IVHLNRSIEIVCVRP		HPLC & MS
ARP7104.76	NRSIEIVCVRPNNNT		HPLC & MS
ARP7104.77	EIVCVRPNNNTRQSI		HPLC & MS
ARP7104.78	VRPNNNTRQSIRIGP		HPLC & MS
ARP7104.79	NNTRQSIRIGPGQTF		HPLC & MS
ARP7104.80	QSIRIGPGQTFYATG		HPLC & MS
ARP7104.81	IGPGQTFYATGDIIG		HPLC & MS
ARP7104.82	QTFYATGDIIGDIRQ		HPLC & MS
ARP7104.83	ATGDIIGDIRQAHCN		HPLC & MS
ARP7104.84	IIGDIRQAHCNISRT		HPLC & MS
ARP7104.85	IRQAHCNISRTNWTK		HPLC & MS
ARP7104.86	HCNISRTNWTKTLRE		HPLC & MS
ARP7104.87	SRTNWTKTLREVRNK		HPLC & MS

ARP	Sequence	Comment	Analytics
ARP7104.88	WTKTLREVRNKLREH		HPLC & MS
ARP7104.89	LREVRNKLREHFPNK		HPLC & MS
ARP7104.90	RNKLREHFPNKNITF		HPLC & MS
ARP7104.91	REHFPNKNITFKPSS		HPLC & MS
ARP7104.92	PNKNITFKPSSGGDL		HPLC & MS
ARP7104.93	ITFKPSSGGDLEITT		HPLC & MS
ARP7104.94	PSSGGDLEITTHSFN		HPLC & MS
ARP7104.95	GDLEITTHSFNCRGE		HPLC & MS
ARP7104.96	ITTHSFNCRGEFFYC		HPLC & MS
ARP7104.97	SFNCRGEFFYCNTSG		HPLC & MS
ARP7104.98	RGEFFYCNTSGLFSI		HPLC & MS
ARP7104.99	FYCNTSGLFSINYTE		HPLC & MS
ARP7104.100	TSGLFSINYTENNTD		HPLC & MS
ARP7104.101	FSINYTENNTDGTPI		HPLC & MS
ARP7104.102	YTENNTDGTPIITLPC		HPLC & MS
ARP7104.103	NTDGTPIITLPCRIRQ		HPLC & MS
ARP7104.104	TPITLPCRIRQIINM		HPLC & MS
ARP7104.105	LPCRIRQIINMWQEV		HPLC & MS
ARP7104.106	IRQIINMWQEVGRAM		HPLC & MS
ARP7104.107	INMWQEVGRAMYAPP		HPLC & MS
ARP7104.108	QEVGRAMYAPPIEGN		HPLC & MS
ARP7104.109	RAMYAPPIEGNIACK		HPLC & MS
ARP7104.110	APPIEGNIACKSDIT		HPLC & MS
ARP7104.111	EGNIACKSDITGLLL		HPLC & MS
ARP7104.112	ACKSDITGLLLVRDG		HPLC & MS
ARP7104.113	DITGLLLVRDGGSTN		HPLC & MS
ARP7104.114	LLLVRDGGSTNDSTN		HPLC & MS
ARP7104.115	RDGGSTNDSTNNNTE		HPLC & MS
ARP7104.116	STNDSTNNNTEIFRP		HPLC & MS
ARP7104.117	STNNNTEIFRPAGGD		HPLC & MS
ARP7104.118	NTEIFRPAGGDMRDN		HPLC & MS
ARP7104.119	FRPAGGDMRDNRWSE		HPLC & MS
ARP7104.120	GGDMRDNRWSELYKY		HPLC & MS
ARP7104.121	RDNWRSELYKYKVVE		HPLC & MS
ARP7104.122	RSELYKYKVVEIKPL		HPLC & MS
ARP7104.123	YKYKVVEIKPLGIAP		HPLC & MS
ARP7104.124	VVEIKPLGIAPTEAK		HPLC & MS
ARP7104.125	KPLGIAPTEAKRRVV		HPLC & MS
ARP7104.126	IAPTEAKRRVVEREK		HPLC & MS
ARP7104.127	EAKRRVVEREKRAVG		HPLC & MS
ARP7104.128	RVVEREKRAVGIGAV		HPLC & MS
ARP7104.129	REKRAVGIGAVFLGF		HPLC & MS
ARP7104.130	AVGIGAVFLGFLGAA		HPLC & MS
ARP7104.131	GAVFLGFLGAAGSTM		HPLC & MS

ARP	Sequence	Comment	Analytics
ARP7104.132	LGFLGAAGSTMGAAS		HPLC & MS
ARP7104.133	GAAGSTMGAASITLT		HPLC & MS
ARP7104.134	STMGAASITLTAQAR		HPLC & MS
ARP7104.135	AASITLTAQARQVLS		HPLC & MS
ARP7104.136	TLTAQARQVLSGIVQ		HPLC & MS
ARP7104.137	QARQVLSGIVQQQSN		HPLC & MS
ARP7104.138	VLSGIVQQQSNLLRA		HPLC & MS
ARP7104.139	IVQQQSNLLRAIEAQ		HPLC & MS
ARP7104.140	QSNLLRAIEAQQHLL		HPLC & MS
ARP7104.141	LRAIEAQQHLLQLTV		HPLC & MS
ARP7104.142	EAQQHLLQLTVWGIK		HPLC & MS
ARP7104.143	HLLQLTVWGIKQLQT		HPLC & MS
ARP7104.144	LTVWGIKQLQTRVLA		HPLC & MS
ARP7104.145	GIKQLQTRVLAIERY		HPLC & MS
ARP7104.146	LQTRVLAIERYLKDQ		HPLC & MS
ARP7104.147	VLAIERYLKDQQLLG		HPLC & MS
ARP7104.148	ERYLKDQQLLGLWGC		HPLC & MS
ARP7104.149	KDQQLLGLWGCSGKL		HPLC & MS
ARP7104.150	LLGLWGCSGKLICTT		HPLC & MS
ARP7104.151	WGCSGKLICTTAVPW		HPLC & MS
ARP7104.152	GKLICTTAVPWNISW		HPLC & MS
ARP7104.153	CTTAVPWNISWSNKS		HPLC & MS
ARP7104.154	VPWNISWSNKS KTDI		HPLC & MS
ARP7104.155	ISWSNKS KTDIWDNM		HPLC & MS
ARP7104.156	NKS KTDIWDNMTWMQ		HPLC & MS
ARP7104.157	TDIWDNMTWMQWDRE		HPLC & MS
ARP7104.158	DNMTWMQWDREISNY		HPLC & MS
ARP7104.159	WMQWDREISNYTNTI		HPLC & MS
ARP7104.160	DREISNYTNTIYRLL		HPLC & MS
ARP7104.161	SNYTNTIYRLLLED SQ		HPLC & MS
ARP7104.162	NTIYRLLLED SQSQQE		HPLC & MS
ARP7104.163	RLLLED SQSQQE QNEK		HPLC & MS
ARP7104.164	DSQSQQE QNEK DLLA		HPLC & MS
ARP7104.165	QQEQNEK DLLALDSW		HPLC & MS
ARP7104.166	NEK DLLALDSWNNLW		HPLC & MS
ARP7104.167	LLALDSWNNLWNWFD		HPLC & MS
ARP7104.168	DSWNNLWNWFDITKW		HPLC & MS
ARP7104.169	NLWNWFDITKW LW		HPLC & MS