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**Please note, in an effort to better serve our registrants, we have been creating pools of most of our peptide sets. Lot 140128 of cat# 5189 was synthesized and made into sets as well as a pool (cat #12545 lot 140129). Thus, all the data included in this file applies to both the set and the pool.**

## Sequence and Solubility

Consensus B Nef as of May 7, 2002

mggkwSkrsvvgWptvrermrraepaadgvgAvsrdlekhgaitssntaannadcawleaqeeeevgfpvrpqvplrPmtykaavDlshFlkekGglegliysqkrqdILdlwvyhTQGyfpDwqnyTpgpgiryPltfgWcfkLVPvepekveeanegennsllhPmslHgmddperevlewkfDsrlafhhmarelhPeyykdc

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.

|  |  |  | **Solubility at 1 mg/ml** | | | |  | **Solubility at 0.25 mg/ml** | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Peptide** | **Lot #** | **Sequence** | **Water** | **Ethanol** | **10% Acetic Acid** | **DMSO** |  | **Water** | **PBS** | **10% Acetic Acid** | **DMSO** |
| HIV-1 Con B Nef Peptide-1 | 140128-1 | MGGKWSKRSVVGWPT | ＋ | — | ＋ | — |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-2 | 140128-2 | WSKRSVVGWPTVRER | ＋ | — | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-3 | 140128-3 | SVVGWPTVRERMRRA | ＋ | — | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-4 | 140128-4 | WPTVRERMRRAEPAA | ＋ | — | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-5 | 140128-5 | RERMRRAEPAADGVG | ＋ | — | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-6 | 140128-6 | RRAEPAADGVGAVSR | ＋ | — | ＋ | — |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-7 | 140128-7 | PAADGVGAVSRDLEK | ＋ | — | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-8 | 140128-8 | GVGAVSRDLEKHGAI | ＋ | — | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-9 | 140128-9 | VSRDLEKHGAITSSN | ＋ | — | ＋ | — |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-10 | 140128-10 | LEKHGAITSSNTAAN | ＋ | — | ＋ | — |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-11 | 140128-11 | GAITSSNTAANNADC | — | — | — | — |  | — | — | — | ＋ |
| HIV-1 Con B Nef Peptide-12 | 140128-12 | SSNTAANNADCAWLE | — | — | — | — |  | — | — | — | ＋ |
| HIV-1 Con B Nef Peptide-13 | 140128-13 | AANNADCAWLEAQEE | — | — | — | — |  | ＋ | ＋ | — | ＋ |
| HIV-1 Con B Nef Peptide-14 | 140128-14 | ADCAWLEAQEEEEVG | — | — | — | ＋ |  | — | — | — | ＋ |
| HIV-1 Con B Nef Peptide-15 | 140128-15 | WLEAQEEEEVGFPVR | — | — | — | — |  | ＋ | — | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-16 | 140128-16 | QEEEEVGFPVRPQVP | ＋ | — | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-17 | 140128-17 | EVGFPVRPQVPLRPM | ＋ | — | ＋ | — |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-18 | 140128-18 | PVRPQVPLRPMTYKA | ＋ | ＋ | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-19 | 140128-19 | QVPLRPMTYKAAVDL | ＋ | — | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-20 | 140128-20 | RPMTYKAAVDLSHFL | ＋ | — | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-21 | 140128-21 | YKAAVDLSHFLKEKG | ＋ | — | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-22 | 140128-22 | VDLSHFLKEKGGLEG | ＋ | — | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-23 | 140128-23 | HFLKEKGGLEGLIYS | ＋ | — | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-24 | 140128-24 | EKGGLEGLIYSQKRQ | ＋ | — | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-25 | 140128-25 | LEGLIYSQKRQDILD | — | — | — | — |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-26 | 140128-26 | IYSQKRQDILDLWVY | — | — | — | ＋ |  | ＋ | — | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-27 | 140128-27 | KRQDILDLWVYHTQG | ＋ | — | ＋ | ＋ |  | ＋ | — | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-28 | 140128-28 | ILDLWVYHTQGYFPD | — | — | — | ＋ |  | — | — | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-29 | 140128-29 | WVYHTQGYFPDWQNY | — | — | ＋ | ＋ |  | — | — | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-30 | 140128-30 | TQGYFPDWQNYTPGP | ＋ | — | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-31 | 140128-31 | FPDWQNYTPGPGIRY | ＋ | — | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-32 | 140128-32 | QNYTPGPGIRYPLTF | ＋ | — | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-33 | 140128-33 | PGPGIRYPLTFGWCF | ＋ | — | ＋ | — |  | — | — | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-34 | 140128-34 | IRYPLTFGWCFKLVP | ＋ | — | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-35 | 140128-35 | LTFGWCFKLVPVEPE | — | — | — | ＋ |  | — | — | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-36 | 140128-36 | WCFKLVPVEPEKVEE | — | — | ＋ | — |  | — | — | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-37 | 140128-37 | LVPVEPEKVEEANEG | — | — | ＋ | — |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-38 | 140128-38 | EPEKVEEANEGENNS | — | — | — | — |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-39 | 140128-39 | VEEANEGENNSLLHP | ＋ | — | ＋ | — |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-40 | 140128-40 | NEGENNSLLHPMSLH | ＋ | — | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-41 | 140128-41 | NNSLLHPMSLHGMDD | ＋ | — | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-42 | 140128-42 | LHPMSLHGMDDPERE | ＋ | — | ＋ | — |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-43 | 140128-43 | SLHGMDDPEREVLEW | — | — | — | — |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-44 | 140128-44 | MDDPEREVLEWKFDS | — | — | — | — |  | — | — | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-45 | 140128-45 | EREVLEWKFDSRLAF | — | — | — | ＋ |  | — | — | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-46 | 140128-46 | LEWKFDSRLAFHHMA | ＋ | — | ＋ | ＋ |  | ＋ | — | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-47 | 140128-47 | FDSRLAFHHMARELH | ＋ | — | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-48 | 140128-48 | LAFHHMARELHPEYY | ＋ | — | ＋ | ＋ |  | ＋ | ＋ | ＋ | ＋ |
| HIV-1 Con B Nef Peptide-49 | 140128-49 | HMARELHPEYYKDC | ＋ | — | ＋ | — |  | ＋ | ＋ | ＋ | ＋ |
|  |  |  | (Data from Lot 11 - 140128) | | | |  | (Data from Lot 9) | | | |