**Notes on CA structures for WT**

**N-terminal orthoretroviral CA domains**

1. Ortho-HIV1\_NtD.pdb – (Lentivirus) Taken from HIV-Cyp structure. PDB code 1AK4.
2. Ortho\_HML2\_NtD.pdb – (Betaretrovirus) crystal structure of NtD of human endogenous virus HML2, our unpublished structure.
3. Ortho\_HTLV\_NtD.pdb – (Deltaretrovirus) NMR structure of HTLV CA-NtD. Resolution a bit poor and N-terminal beta hairpin not correctly modelled. PDB code 1G03.
4. Ortho\_JSRV\_NtD.pdb – (Betaretrovirus) Our X-ray structure of CA-NtD from JSRV. PDB code 2V4X
5. Ortho\_MLV\_NtD – (gammaretrovirus) one monomer taken from our X-ray structure of N-MLV. PDB code 1U7K
6. Ortho\_MPMV\_NtD – (betaretrovirus) NMR structure of CA NtD domain from MPMV. PDB code 2KGF
7. Ortho\_RSV\_NtD.pdb – (alpharetrovirus) One Ntd Monomer taken from RSV CA –NtD crystal dimer. PDB code 1EM9
8. Ortho\_BLV\_NtD.pdb – (Deltaretrovirus) One NtD monomer taken from a BLV NtD crystal dimer. PDB code 4PH2
9. Ortho\_RELIC\_NtD.pdb – (Lentivirus, ancient) One Ntd monomer Taken from our X-ray structure of a RELIK crystal dimer. PDB code 2XGU.
10. ortho\_PSIV\_NtD.pdb – (Lentivirus, ancient) Ntd monomer in our X-ray crystal structure of PSIV. PDB code 2XGU.

**C-terminal orthoretroviral CA domains**

1. Ortho\_HIV1\_CtD – (Lentivirus) One CtD monomer taken from an HIV1 crystal dimer crystal. PDB code 1A43
2. Ortho\_RSV\_CtD.pdb – (Alpharetrovirus) One Ctd Monomer taken from RSV CtD crystal dimer. PDB code 3G1I. This dimer was neural pH. There are other forms at high and low pH.
3. BLV\_CA\_CtD.pdb – (Deltaretrovirus) One CtD monomer taken from a BLV CtD crystal trimer. PDB code 4PH1.
4. Ortho\_HML2\_CtD.pdb – (Betaretrovirus) Our NMR structure of CtD of human endogenous virus HML2, our unpublished structure.

**Orthoretroviral CA domains**

1. Ortho\_HIV1\_CA\_hex\_P6.pdb – (Lentivirus) One CA monomer out of a P6 disk. PDB code 3H47.
2. Ortho\_HIV1\_CA\_hex\_P212121 – (Lentivirus) One CA monomer extracted out of a hexameric disk. PDB code 3H4E.
3. Ortho\_HTLV\_CA.pdb \_ (Deltaretrovirus) NMR structure of HTLV CA. PDB code 1QRJ.
4. Ortho\_BLV\_CA\_Hex\_P65.pdb. – (Deltaretrovirus) One CA monomer extracted out of a hexameric disk. PDB code 4PH0.