

**Supplemental file:**

**1) Crystal mounting conditions**

<b>Crystal description</b>	<b>Condition/Cryo</b>	<b>Protein</b>	<b>Note</b>
IMM01-Fab/CD47his-CSHT-B5	well solution +20% glycerol	IMM01-Fab/CD47his	<4A
IMM01-Fab/CD47his-CSHT-B5	well solution +20% glycerol	IMM01-Fab/CD47his	<4A
IMM01-Fab/CD47his-PR-G4	well solution +20% glycerol	IMM01-Fab/CD47his	<4A
IMM01-Fab/CD47his-PR-G4	well solution +20% glycerol	IMM01-Fab/CD47his	<4A

**2) Diffraction test criteria.**

<b>Protein/Combination</b>	<b>Beamtime</b>	<b>note spot</b>	<b>Diffraction note</b>	<b>Observed resolution (Å)</b>	<b>Processed Space Group</b>	<b>Processed Resolution</b>
IMM01-Fab/CD47his-CSHT-B5	APS 19IDD	spots OK	single lattice	2.6	P212121	<b>2.76</b>
IMM01-Fab/CD47his-CSHT-B5	APS 19IDD	spots OK	few spots	3	P212121	3.23
IMM01-Fab/CD47his-PR-G4	APS 19IDD	spots OK	few spots	3.7	P422	3.94
IMM01-Fab/CD47his-PR-G4	APS 19IDD	spots OK	few spots	4.3	P422	6.39