### Table S3. Molecular interface list calculated by PDBePISA (4)

| Interface | Subunit #1 | Subunit #2 | Symmetry operator on #2 | Interface area (Å²) | Interpretation |
|-----------|------------|------------|-------------------------|--------------------|----------------|
| 1         | D          | B          | x,y,z                   | 1306.2             | RD dimer (type-I) |
| 2         | C          | A          | x,y,z                   | 1257.9             |                |
| 3         | E          | F          | -γ+3, x-γ+1, z-1/3       | 1239.9             |                |
| **Average** |            |            |                        | **1268.0**         |                |
| 4         | F          | E          | x,y,z                   | 563.3              | Dimer-dimer interface mediated by the last helix (type-II) |
| 5         | B          | D          | -γ+2, x-γ+1, z-1/3       | 560.0              |                |
| 6         | C          | A          | -γ+2, x+γ+1, z-1/3       | 558.7              |                |
| **Average** |            |            |                        | **560.7**          |                |
| 7         | B          | A          | x,y,z                   | 479.2              | Dimer-dimer interface involving the redox helix (type III) |
| 8         | E          | C          | x,y,z                   | 464.9              | Asymmetric     |
| 9         | F          | A          | x,y,z                   | 227.8              | Asymmetric     |
| 10        | E          | B          | x,y,z                   | 214.6              | Asymmetric     |
| 11        | F          | D          | x,y,z                   | 186.1              | Asymmetric     |
| 12        | B          | C          | x,y-1, z                | 144.3              | Asymmetric     |
| 13        | A          | D          | x-1,y,z                 | 2.4                | Asymmetric     |
| 14        | A          | F          | -γ+2, x-γ+1, z-1/3       | 140.4              | Asymmetric     |
| 15        | B          | F          | -γ+2, x-γ+1, z-1/3       | 103.7              | Asymmetric     |
| 16        | E          | D          | x,y,z                   | 57.7               | Asymmetric     |
| 17        | E          | B          | -γ+2, x-γ+1, z-1/3       | 25.1               | Asymmetric     |
| 18        | F          | C          | x,y,z                   | 18.7               | Asymmetric     |
| 19        | E          | A          | -γ+2, x-γ+1, z-1/3       | 1.0                | Asymmetric     |

References:
4. Krissinel E. Henrick K. 2007. Protein interfaces, surfaces and assemblies' service PISA at the European Bioinformatics Institute. 'Inference of macromolecular assemblies from crystalline state.' J Mol Biol 372: 774—797.
