

Table S2: SH2 domain structures. The structures of a large number of SH2 domains have been determined, often in complex with peptide or other ligands, and in some cases as part of larger multi-protein complexes. This table provides an overview of the current structural understanding of SH2 domains, with the Protein Database (PDB) structure accession codes for the available structures indicated. For more information, hyperlinks and updates, see <http://sh2.uchicago.edu/>.

| Gene | Structures | PDB Files |
|--------|---|--|
| ABL1 | ABL1 SH2 SH3 + SH2 | 1OPJ, 1OPK, 1OPL 1AB2 2AB2 |
| APS | APS APS + PH | 1RPY, 1RQQ 1V5M |
| BLK | SH2 | 1BLJ, 1BLK |
| BRK | SH2 | 1RJA |
| CBL | CBL/UBCH SH2 + PH + peptide CBL | 1FBV 1YVH 1B47, 2CBL |
| CHN1 | CHN1 | 1XA6 |
| CRK | SH2 + peptide | 1JU5 |
| CSK | SH2 CSK | 1JWO 1K9A |
| FES | SH2 | 1WQU |
| FYN | SH2 + peptide SH2 + SH3 FYN/SAP/SLAM | 1AOT, 1AOU 1G83 1M27 |
| GADS | SH3C + peptide SH2 + peptide | 1OEB, 1H3H 1R1P, 1R1Q, 1R1S |
| GRB2 | SH2 SH2 + peptide | 1GHU, 1FHS, 1JYU 1BM2, 1BMB, 1CJ1, 1FYR, 1JYQ, 1JYR, 1JYU, 1TZE, 1GRI, 1QG1, 1ZFP, |
| GRB7 | SH2 + peptide | 1MW4 |
| GRB10 | SH2 | 1NRV |
| GRB14 | SH2 | 2AUG |
| HCK | SH2 HCK HCK + inhibitor | 3HCK 1AD5, 2HCK 1QCF |
| ITK | SH2 SH2 + peptide | 1LUI, 1LUK, 1LUM, 1LUN 2EU0, 2ETZ |
| LCK | SH2 + inhibitor SH2 SH2 + peptide SH3/SH2 + peptide LCK | 1BHF, 1IJR 1BHH 1LCJ, 1LKK, 1LKL 1LCK 1CWD, 1CWE, |
| NCK1 | SH2 + peptide | 2CI9 |
| NCK2 | SH2 + peptide | 1Z3K, 2CIA |
| PLCG1 | C_SH2 + peptide | 2PLE, 2PLD |
| PIK3R1 | N_SH2 N_SH2 + peptide C_SH2 | 2PNA, 2PNB, 1OO3, 1H9O, 1PIC, 1FU5, 1FU6, 1OO4 1BFI, 1BFJ, 1H9O, 1PIC, 1QAD |
| PTPN11 | PTPN11 N_SH2 + peptide | 2SHP 1AYA, 1AYB, 1AYC, 1AYD |
| SH2D1A | SAP SAP + peptide | 1D1Z 1D4T, 1D4W, 1KA6, 1KA7, 1M27 |
| SH2D1B | SH2 + peptide | 1I3Z |
| SHC1 | SH2 SH2 + peptide | 1MIL 1QG1, 1TCE |
| SOCS2 | SH2 + peptide | 2C9W |
| SOCS3 | SH2 + peptide | 2BBU |
| SRC | SH2 SH2 + inhibitor SH2 + peptide SRC Mutant (Grb2) + peptide | 1BKL, 1BKM 1O41, 1O42, 1O43, 1O44, 1O45, 1O46, 1O47, 1O48, 1O49, 1O4A, 1O4B, 1O4C, 1O4D, 1O4E, 1O4G, 1O4H, 1O4I, 1O4J, 1O4L, 1O4M, 1O4N, 1O4O, 1O4P, 1O4Q, 1O4R, 1FBZ, 1IS0, 1SKJ 1A07, 1A08, 1A09, 1A1A, 1A1B, 1A1C, 1A1E, 1HCS, 1HCT, 1KC2, 1NZL, 1NZV, 1P13, 1SHA, 1SHB, 1SHD, 1SPR 1FMK, 1KSW, 1SPS, 2SRC, 2PTK 1F1W, 1F2F |
| STAT1 | STAT1 + DNA STAT1 | 1BF5 1UUR, 1UUS, 1YVL |
| STAT3 | STAT3 + DNA | 1BG1 |
| STAT5a | STAT5a | 1Y1U |
| SYK | N&C_SH2 + peptide C_SH2 + peptide | 1A81 1CSY, 1CSZ |
| ZAP70 | N&C_SH2 | 1M61 |