**S2 Table.** List of 78 known scaffold proteins (proteins recovered by our prediction are in bold; the corresponding references of the scaffold proteins are also listed)**.**

|  |  |  |  |
| --- | --- | --- | --- |
| Official Symbol | Official Symbol | Official Symbol | Official Symbol |
| ABI3([*1*](#_ENREF_1)) | EIF4G1([*2*](#_ENREF_2)*,* [*3*](#_ENREF_3)) | **MAP2K1IP1**([*4*](#_ENREF_4)) | RIMS1([*5*](#_ENREF_5)) |
| AHNAK([*6*](#_ENREF_6)*,* [*7*](#_ENREF_7)) | EIF4G2([*2*](#_ENREF_2)*,* [*3*](#_ENREF_3)) | **MAP2K4**([*4*](#_ENREF_4)) | SH3RF1([*8*](#_ENREF_8)) |
| **AKAP12**([*1*](#_ENREF_1)*,* [*9*](#_ENREF_9)) | EIF4G3([*2*](#_ENREF_2)*,* [*3*](#_ENREF_3)) | MAP3K1([*7*](#_ENREF_7)) | **SHC1**([*1*](#_ENREF_1)) |
| AKAP5([*10*](#_ENREF_10)) | ERBB2([*11*](#_ENREF_11)) | MAPK8IP1([*11*](#_ENREF_11)) | SHOC2([*12*](#_ENREF_12)) |
| AKAP9([*13*](#_ENREF_13)) | FLNA([*14*](#_ENREF_14)) | **MAPK8IP2**([*15*](#_ENREF_15)) | SLC9A3R1([*14*](#_ENREF_14)) |
| ARRB1([*16*](#_ENREF_16)) | FRS2([*11*](#_ENREF_11)) | **MAPK8IP3**([*17*](#_ENREF_17)) | SLC9A3R2([*14*](#_ENREF_14)) |
| ARRB2([*16*](#_ENREF_16)) | **GAB1**([*18*](#_ENREF_18)) | MPDZ([*14*](#_ENREF_14)) | SNTA1([*19*](#_ENREF_19)) |
| AXIN1([*1*](#_ENREF_1)*,* [*20*](#_ENREF_20)) | **GAB2**([*21*](#_ENREF_21)) | PARD3([*11*](#_ENREF_11)) | SPAG9([*22*](#_ENREF_22)) |
| BCL10([*7*](#_ENREF_7)) | GNB2L1([*23*](#_ENREF_23)) | PDZK1([*24*](#_ENREF_24)) | SQSTM1([*25*](#_ENREF_25)) |
| **CAV1**([*1*](#_ENREF_1)*,* [*26*](#_ENREF_26)) | **GRB2**([*1*](#_ENREF_1)) | **PELI1**([*7*](#_ENREF_7)) | STRN([*27*](#_ENREF_27)) |
| **CBL**([*1*](#_ENREF_1)) | IKBKAP([*28*](#_ENREF_28)) | **PELI2**([*7*](#_ENREF_7)) | TANC1([*29*](#_ENREF_29)) |
| CD2([*30*](#_ENREF_30)) | INADL([*14*](#_ENREF_14)) | PELI3([*7*](#_ENREF_7)) | TJP1([*31*](#_ENREF_31)) |
| CD2AP([*32*](#_ENREF_32)) | IQGAP1([*33*](#_ENREF_33)) | PICK1([*34*](#_ENREF_34)) | TRADD([*11*](#_ENREF_11)) |
| CNKSR1([*35*](#_ENREF_35)) | IRS1([*1*](#_ENREF_1)) | **PPP1R8**([*36*](#_ENREF_36)) | TRPC4AP([*31*](#_ENREF_31)) |
| **CRK**([*1*](#_ENREF_1)) | JAK2([*14*](#_ENREF_14)) | PPP1R9B([*7*](#_ENREF_7)) | WASF1([*37*](#_ENREF_37)) |
| DLG1([*7*](#_ENREF_7)*,* [*38*](#_ENREF_38)) | KSR1([*7*](#_ENREF_7)) | PPP2R5A([*1*](#_ENREF_1)) | XRCC1([*39*](#_ENREF_39)) |
| DLG4([*14*](#_ENREF_14)*,* [*40*](#_ENREF_40)) | **KSR2**([*7*](#_ENREF_7)) | PRKCABP([*14*](#_ENREF_14)) | YWHAG([*14*](#_ENREF_14)) |
| **DUSP19**([*41*](#_ENREF_41)) | **LCP2**([*11*](#_ENREF_11)) | PTPN12([*42*](#_ENREF_42)) | YWHAZ([*43*](#_ENREF_43)) |
| DVL1([*1*](#_ENREF_1)) | LGALS3([*44*](#_ENREF_44)) | RANBP9([*45*](#_ENREF_45)) |  |
| DVL2([*1*](#_ENREF_1)) | MAGI2([*46*](#_ENREF_46)) | RAPSN([*47*](#_ENREF_47)) |  |

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