**Supplementary Tables**

**Table S1. Cytoskeleton Directed Network**

**Calcium Signaling Network**

|  |  |
| --- | --- |
| **Signaling Pathway** | **References** |
| PIP2 🡪 IP3 | 1 |
| PLCg 🡪 IP3 | Calcium Signaling Pathway 2 |
| PLCe 🡪 IP3 | Calcium Signaling Pathway 2 |
| PLCb 🡪 IP3 | Calcium Signaling Pathway2 |
| PTEN --| PIP3 | Calcium Signaling Pathway2 |
| PIP2 🡪 PIP3 | Calcium Signaling Pathway2 |
| PI3K 🡪 PIP3 | Calcium Signaling Pathway2 |
| DAG 🡪 nPKC | Calcium Signaling Pathway2 |
| Ca2+ 🡪 cPKC | Calcium Signaling Pathway2 |
| PLCg 🡪 DAG | Calcium Signaling Pathway2 |
| PLCb 🡪 DAG | Calcium Signaling Pathway2 |
| PLCe 🡪 DAG | Calcium Signaling Pathway2 |
| PIP2 🡪 DAG | 1 |
| IP3R 🡪 Ca2+ | Calcium Signaling Pathway 2 |
| Ca2+ 🡪 Calpain | 3 |
| PKA --| Calpain | 4 |
| PKA 🡪 TRPM7 | 5 |
| PKA 🡪 IP3R | 6 |
| IP3 🡪 IP3R | Calcium Signaling Pathway 2 |
| STIM 🡪 Orai1 | Calcium Signaling Pathway 2 |
| Orai1 🡪 Ca2+ | Calcium Signaling Pathway 2 |
| RyR 🡪 STIM | Calcium Signaling Pathway 2 |
| IP3R 🡪 STIM | Calcium Signaling Pathway 2 |
| Ca2+ 🡪 RyR | Calcium Signaling Pathway 2 |
| Ca2+ 🡪 CaM | Calcium Signaling Pathway 2 |
| Ca2+ 🡪 Pyk2 | Calcium Signaling Pathway 2 |
| CaM 🡪 CAMK | Calcium Signaling Pathway 2 |
| SERCA --| Ca2+ | Calcium Signaling Pathway 2 |
| RyR 🡪 Ca2+ | Calcium Signaling Pathway 2 |
| PMCA --| Ca2+ | Calcium Signaling Pathway 2 |
| SERCA --|STIM | Calcium Signaling Pathway 2 |
| CaM 🡪 RasGRF | RasGRF Signaling Pathway7 |
| ECM 🡪 TRPV | 8 |
| Orai1 🡪 TRPC | 9 |
| CaM 🡪 PI3K | 10 |
| TRPV 🡪 Ca2+ | 8 |
| TRPC 🡪 Ca2+ | 9 |
| TRPM7 🡪 Ca2+ | 5 |
| Barrestin1 --| RasGRF | 11 |
| FAK 🡪 RasGRF | Focal Adhesion Signaling2 |
| CaM 🡪PMCA | 12 |
| PKA 🡪 SERCA | Calcium Signaling Pathway 2 |
| Rap1 🡪 PLCe | cAMP Signaling Pathway2 |

**Microtubule Network**

|  |  |  |
| --- | --- | --- |
| Stathmin 🡪 dyMT |  | 13 |
| CLIP 🡪 dyMT |  | 14 |
| CLASP 🡪 dyMT |  | 14 |
| EB 🡪dyMT |  | 14 |
| Gs 🡪 dyMT |  | 15 |
| Ca2+ 🡪 dyMT |  | 16 |
| Paxilin 🡪 dyMT |  | 17 |
| PKA --| Stathmin |  | 18 |
| PAK --| Stathmin |  | 19 |
| ERK --| Stathmin |  | 20 |
| CAMK --| Stathmin |  | 21 |
| nPKC 🡪 IQGAP |  | 22 |
| Barrestin1 🡪 IQGAP |  | 22 |
| IQGAP 🡪 CLIP |  | 23 |
| Map1b 🡪 CLIP |  | 24 |
| IQGAP 🡪 CLASP |  | 25 |
| Vimentin --| GEFH1 |  | 26 |
| dyMT 🡪 GEFH1 |  | 26 |
| GSK --| Tau |  | Alzheimer Disease Signaling Pathway2 |
| Rac 🡪 Tau |  | 27 |
| Cdc42 🡪 Tau |  | 28 |
| LL5β 🡪 stMT |  | 29 |
| CLASP 🡪 stMT |  | 29 |
| EB 🡪 stMT |  | 30 |
| mDia1 🡪 stMT |  | 31 |
| APC 🡪 stMT |  | 31 |
| Tau 🡪 stMT |  | 32 |
| FA 🡪 stMT |  | 33 |
| LIMK --| stMT |  | 34 |
| CLIP 🡪 stMT |  | 35 |
| PIP3 🡪 LL5β |  | 36 |
| GSK --| EB |  | 37 |
| GSK --| MAP1B |  | 38 |

**Focal Adhesion Network**

|  |  |
| --- | --- |
| ECM 🡪 ITG | Focal Adhesion Pathway2 |
| ITG 🡪 Src | Focal Adhesion Pathway2 |
| ITG 🡪Fyn | Focal Adhesion Pathway2 |
| Src 🡪 FAK | Focal Adhesion Pathway2 |
| FAK 🡪 Src | Focal Adhesion Pathway2 |
| cPKC 🡪 FAK2/Pyk2 | Focal Adhesion Pathway2 |
| Src 🡪 p190RhoGAP | Focal Adhesion Pathway2 |
| FAK 🡪 p190GEF | 39 |
| PIP5K 🡪 PIP2 | Focal Adhesion Pathway2 |
| ROCK 🡪 ppMLC | Focal Adhesion Pathway2 |
| ROCK --| MLCP | Focal Adhesion Pathway2 |
| MLCP --|ppMLC | Focal Adhesion Pathway2 |
| RhoA 🡪 mDia1 | Focal Adhesion Pathway2 |
| FAK 🡪 Paxilin | Focal Adhesion Pathway2 |
| FAK 🡪PI3K | Focal Adhesion Pathway2 |
| FAK 🡪 p130Cas | Focal Adhesion Pathway2 |
| PTEN --| FAK | Focal Adhesion Pathway2 |
| PIP2 🡪 Vinculin | Focal Adhesion Pathway2 |
| Calpain --| Talin | Focal Adhesion Pathway2 |
| Crk 🡪 Paxilin | Focal Adhesion Pathway2 |
| p130Cas 🡪Crk | Focal Adhesion Pathway2 |
| PIP3 🡪ILK | Focal Adhesion Pathway2 |
| ILK 🡪 Akt | Focal Adhesion Pathway2 |
| PIP3 🡪 PDK1 | Focal Adhesion Pathway2 |
| PDK1 🡪Akt | Focal Adhesion Pathway2 |
| PIP3 🡪 Vav | Focal Adhesion Pathway2 |
| Vav 🡪 Rac | Focal Adhesion Pathway2 |
| Rac 🡪 PAK | Focal Adhesion Pathway2 |
| Crk 🡪 GRF2 | Focal Adhesion Pathway2 |
| Crk 🡪 DOCK180 | Focal Adhesion Pathway2 |
| DOCK180 🡪 Rac | Focal Adhesion Pathway2 |
| GRF2 🡪 Rap1 | Focal Adhesion Pathway2 |
| Rap1 🡪 B-Raf | Focal Adhesion Pathway2 |
| B-Raf 🡪 MEK1 | Focal Adhesion Pathway2 |
| PAK 🡪 MEK1 | Focal Adhesion Pathway2 |
| MEK1 🡪 ERK | Focal Adhesion Pathway2 |
| Rap1 🡪 JNK | Focal Adhesion Pathway2 |
| PAK --| MLCK | Focal Adhesion Pathway2 |
| RhoA 🡪 ROCK | * Focal Adhesion Pathway2 |
| RhoA 🡪 PIP5K | Focal Adhesion Pathway2 |
| Cdc42 🡪 PAK | Focal Adhesion Pathway2 |
| Rac 🡪 JNK | Focal Adhesion Pathway2 |
| PIP3 🡪 Akt | Focal Adhesion Pathway2 |
| Pyk2 🡪 Src | Focal Adhesion Pathway2 |
| Cdc42 🡪 mDia2 | 40 |
| Src 🡪 PI3K | 41 |
| PKA 🡪 Talin | 42 |
| cPKC 🡪 Talin | 42 |
| PIP2 🡪 Talin | 42 |
| Rap1 🡪 Talin | 42 |
| Talin 🡪 Vinculin | Focal Adhesion Pathway2 |
| Paxilin 🡪 Vinculin | Focal Adhesion Pathway2 |
| Vimentin --| GEFH1 | 26 |
| Fyn 🡪 LARG | 43 |
| PAK 🡪 p115RhoGEF | 44 |
| PKA --| RhoA | cAMP Signaling Pathway2 |
| GEFH1 🡪 RhoA | 45 |
| pdzRhoGEF 🡪 RhoA | 46 |
| p115RhoGEF 🡪 RhoA | 47 |
| p114RhoGEF 🡪 RhoA | 48 |
| p190RhoGAP 🡪 RhoA | Focal Adhesion Pathway2 |
| p190GEF 🡪 RhoA | 49 |
| LARG 🡪 RhoA | 43 |
| pdzRhoGEF 🡪 RhoC | 50 |
| F-Actin 🡪 FX | 51 |
| Vinculin 🡪FX | 51 |
| Talin 🡪 FX | 51 |
| RhoC 🡪 ROCK | 52 |
| PKA 🡪 FAK | 53 |
| PIP2 🡪 FAK | 54 |
| FX/FA 🡪 FAK | 54 |

**RTK Signaling**

|  |  |
| --- | --- |
| RTK 🡪 Shc | Focal Adhesion Pathway2 |
| Shc 🡪 Grb2 | Focal Adhesion Pathway2 |
| FAK 🡪 Grb2 | Focal Adhesion Pathway2 |
| FAK 🡪 Shc | Focal Adhesion Pathway2 |
| RTK 🡪 FAK | Focal Adhesion Pathway2 |
| Grb2 🡪 SOS | Focal Adhesion Pathway2 |
| SOS 🡪 HRas | Focal Adhesion Pathway2 |
| HRas 🡪 Raf1 | Focal Adhesion Pathway2 |
| Raf1 🡪 MEK1 | Focal Adhesion Pathway2 |
| RTK 🡪 PI3K | Focal Adhesion Pathway2 |
| H-Ras 🡪 PI3K | Focal Adhesion Pathway2 |
| Fyn 🡪 Shc | Focal Adhesion Pathway2 |
| ERK 🡪 DNA | Focal Adhesion Pathway2 |
| mTOR 🡪 DNA | Focal Adhesion Pathway2 |
| JNK 🡪 DNA | Focal Adhesion Pathway2 |
| Akt 🡪 mTOR | Focal Adhesion Pathway2 |
| RTK 🡪 PLCγ | Calcium Signaling Pathway2 |
| Src 🡪 HRas | 55 |
| Src 🡪 PI3K | 56 |
| cPKC 🡪 Raf1 | 57 |
| nPKC 🡪 Vimentin | 58 |
| Filamin 🡪 Vimentin | 59 |
| nPKC 🡪 PKD | Rap Signaling Pathway2 |
| ERK 🡪 RhoA | 60 |
| nPKC 🡪 RhoA | 61 |
| p114RhoGEF 🡪 Rac | 48 |
| PAK 🡪 ppMLC | 62 |

**Actin Cytoskeleton Signaling**

|  |  |
| --- | --- |
| LARG 🡪 RhoA | Regulation of Actin Cytoskeleton2 |
| HRas 🡪 Rac1GEF | Regulation of Actin Cytoskeleton2 |
| Rac1GEF 🡪 Rac | Regulation of Actin Cytoskeleton2 |
| Vav 🡪 Rac | Regulation of Actin Cytoskeleton2 |
| Tiam1 🡪 Rac | Regulation of Actin Cytoskeleton2 |
| Cdc42 🡪 Wasp | Regulation of Actin Cytoskeleton2 |
| Cdc42 🡪 IQGAP | Regulation of Actin Cytoskeleton2 |
| Rac 🡪 IQGAP | Regulation of Actin Cytoskeleton2 |
| PIX --| LARG | Regulation of Actin Cytoskeleton2 |
| PAK 🡪 PIX | Regulation of Actin Cytoskeleton2 |
| PIX 🡪 GIT1 | Regulation of Actin Cytoskeleton2 |
| PIX 🡪 Cdc42 | Regulation of Actin Cytoskeleton2 |
| PIX 🡪 Rac | Regulation of Actin Cytoskeleton2 |
| mDia1 🡪 Profilin | Regulation of Actin Cytoskeleton2 |
| PIP2 🡪 Vinculin | Regulation of Actin Cytoskeleton2 |
| PIP2 --| Actinin | Regulation of Actin Cytoskeleton2 |
| GIT1 --| Paxilin | Regulation of Actin Cytoskeleton2 |
| ROCK 🡪 ERM | Regulation of Actin Cytoskeleton2 |
| ROCK 🡪 LIMK | Regulation of Actin Cytoskeleton2 |
| LIMK --| Cofilin | Regulation of Actin Cytoskeleton2 |
| SSH 🡪 Cofilin | Regulation of Actin Cytoskeleton2 |
| PIP2 --| Gelsolin | Regulation of Actin Cytoskeleton2 |
| Rac 🡪 Wave | Regulation of Actin Cytoskeleton2 |
| Asef 🡪 Rac | Regulation of Actin Cytoskeleton2 |
| APC 🡪 Asef | Regulation of Actin Cytoskeleton2 |
| Wave 🡪 Arp | Regulation of Actin Cytoskeleton2 |
| Wasp 🡪 Arp | Regulation of Actin Cytoskeleton2 |
| PIP3 🡪 TIAM | Regulation of Actin Cytoskeleton2 |
| Src 🡪 Cortactin | 63 |
| F-Actin 🡪 Actinin | 63 |
| Cortactin 🡪 Arp | 63 |
| Vimentin 🡪 Vav | 64 |
| PAK 🡪 LIMK | Regulation of Actin Cytoskeleton2 |
| Rac 🡪 Cortactin | 63 |
| Actin 🡪 Filamin | 65 |
| PKD --| SSH | 66 |
| ROCK --| PIX | 67 |
| PKA 🡪 PIX | 68 |
| ROCK 🡪 FilGAP | 69 |
| Profilin 🡪 F-Actin | Regulation of Actin Cytoskeleton2 |
| Arp 🡪 F-Actin | Regulation of Actin Cytoskeleton2 |
| Rac1 --> p190RhoGAP | 70 |
| Cofilin --| F-Actin | Regulation of Actin Cytoskeleton2 |
| Gelsolin --| F-Actin | Regulation of Actin Cytoskeleton2 |
| IQGAP 🡪 F-Actin | 23 |
| mDia1 🡪 F-Actin | Regulation of Actin Cytoskeleton2 |
| mDia2 🡪 F-Actin | Regulation of Actin Cytoskeleton2 |
| Rac 🡪 Cdc42 | Regulation of Actin Cytoskeleton2 |
| Src 🡪Cdc42 | 71 |
| FilGAP --| Rac | 69 |
| PKA 🡪 PIX | 68 |
| GSK --| SSH | 72 |
| Ca2+ 🡪 SSH | 73 |
| F-Actin 🡪 SSH | 74 |
| cPKC 🡪 Cdc42 | 75 |
| RasGRF 🡪HRas | Ras Signaling Pathway |

**β2ΑR Signaling**

|  |  |
| --- | --- |
| Ca 🡪 AC | cAMP Signaling Pathway2 |
| PKA 🡪 PMCA | cAMP Signaling Pathway2 |
| PMCA --| Ca2+ | cAMP Signaling Pathway2 |
| PKA 🡪 RyR | cAMP Signaling Pathway2 |
| PKA --| RhoA | cAMP Signaling Pathway2 |
| PKA --| Raf1 | cAMP Signaling Pathway2 |
| BAR2 🡪 Gs | cAMP Signaling Pathway2 |
| Gs 🡪 AC | cAMP Signaling Pathway2 |
| AC 🡪 cAMP | cAMP Signaling Pathway2 |
| cAMP 🡪 PKA | cAMP Signaling Pathway2 |
| cAMP 🡪 EPAC | cAMP Signaling Pathway2 |
| EPAC 🡪 Rap1 | cAMP Signaling Pathway2 |
| Rap1 🡪 PI3K | cAMP Signaling Pathway2 |
| Rap1 🡪 TIAM | cAMP Signaling Pathway2 |
| Rap1 🡪 Vav | cAMP Signaling Pathway2 |
| Barrestin2 🡪 Src | 76 |
| BAR2 🡪 Barrestin1/2 | 77 |
| BAR2 🡪 Gbg | 78 |
| Barrestin2 🡪 p115RhoGEF | 79 |
| p114RhoGEF 🡪 Rac | 48 |
| Gbg 🡪 p114RhoGEF | 48 |
| PAK 🡪 ppMLC | 80 |
| Barrestin1 🡪 pdzRhoGEF | 81 |
| Pyk2 🡪 p190GEF | 39 |
| FAK 🡪 p190RhoGEF | 39 |
| pyk2 🡪 pdzRhoGEF | 46 |
| FAK 🡪 pdzRhoGEF | 82 |
| Gbg 🡪 PI3K | Pathways in Cancer2 |
| Barrestin1 🡪 PI3K | 83 |
| Rap1 🡪 Raf1 | Rap1 Signaling Pathway2 |
| PKD 🡪 Rap1 | Rap1 Signaling Pathway2 |
| Gbg 🡪 PLCe | 84 |
| PKA 🡪 RasGRF | Ras Signaling Pathway2 |
| Gbg 🡪 RasGRF | Ras Signaling Pathway2 |

**Table S2. Components Names and Symbols**

|  |  |  |
| --- | --- | --- |
| **Symbols** | **Name** | **Also known as** |
| **RacGAP1** | Rac GTPase activating protein 1 |  |
| **Barrestin1** | Beta Arrestin 1 |  |
| **Barrestin2** | Beta Arrestin 2 |  |
| **RhoC** | Ras Homolog Family Member C |  |
| **nPKC** | Novel Protein Kinase C ( δ,ε,η,θ) |  |
| **cPKC** | Conventional Protein Kinase C(α ,βΙ,βΙΙ γ) |  |
| **Cortactin** | Cortactin |  |
| **Vinculin** | Vinculin |  |
| **RasGRF** | Ras protein specific guanine nucleotide releasing factor 1 |  |
| **TRPM7** | Transient Receptor Potential Cation Channel Subfamily M Member 7 |  |
| **PMCA** | Plasma Membrane Ca2+ ATPase |  |
| **Filamin** | Filamin |  |
| **Vimentin** | Vimentin |  |
| **PKD** | polycystin-1 |  |
| **FS** | Front Speed |  |
| **Pyk2** | Protein Tyrosine Kinase 2 | PTK2 |
| **Calpain** | Ca2+-activated neutral cysteine proteases |  |
| **p115RhoGEF** | Rho Guanine Nucleotide Exchange Factor 1 | ARHGEF1 |
| **p114RhoGEF** | Rho Guanine Nucleotide Exchange Factor 18 | ARHGEF18 |
| **pdzRhoGEF** | PDZ Rho Guanine Nucleotide Exchange Factor |  |
| **Gbg** | G beta-gamma complex |  |
| **EPAC** | Rap Guanine Nucleotide Exchange Factor 3 | RAPGEF2 |
| **STIM** | Stromal Interaction Molecule |  |
| **Orai1** | Calcium Release-activated calcium channel protein 1 |  |
| **RyR** | Ryanodine Receptors |  |
| **SERCA** | Sarco-/Endoplasmic Reticulum Ca2+ ATPase |  |
| **Fyn** | Photo-oncogene tyrosine-orotein kinase Fyn |  |
| **ITG** | Integrins |  |
| **LARG** | Leukemia-associated Rho Guanine Nucleotide Exchange Factor | ARHGEF12 |
| **Asef** | Rho Guanine Nucleotide Exchange Factor 4 | ARHGEF4 |
| **ERM** | Ezrin, Radixin, Moesin | ARHGEF28 |
| **p190GEF** | p190 Rho Guanine Nucleotide Exchange Factor | RGNEF (mouse) |
| **FilGAP** | Filamin A Binding RhoGTPase Activating Protein |  |
| **SSH** | Protein Phosphatase Slingshot |  |
| **IQGAP** | IQ motif-containing GTPase-activating Protein |  |
| **p190RhoGap** | p190 Rho Family GTPase-activating Protein | GRLF1 |
| **GIT1** | ARF GTPase-activating Protein | ARFGAP1 |
| **mDia2** | Mouse Diaphanous 2 |  |
| **PLCe** | Phospholipase C-epsilon |  |
| **PLCg** | Phospholipase C-gamma |  |
| **FA** | Focal Adhesion |  |
| **FX** | Focal Adhesion Complez |  |
| **APC** | Adenomatous Polyposis Coli |  |
| **GEFH1** | Rho Guanine Nucleotide Exchange Factor 2 | ARHGEF28 |
| **ECM** | Extracellular Matrix |  |
| **CLASP** | CLIP-associating proteins |  |
| **dyMT** | Dynamic Microtubules |  |
| **Tau** | microtubule stabilizer protein |  |
| **stMT** | Stable Microtubules |  |
| **LL5B** | Phosphadylinositol (3,4,5) Trisphosphate Sensor proteins |  |
| **EB** | End-binding Protein |  |
| **MAP1b** | Microtubule Associated Protein 1B |  |
| **CLIP** | Class II-associated invariant chain peptide |  |
| **PTEN** | Phosphatase and Tensin Homolog |  |
| **Rac1GEF** | Rac1 GTPase Guanine Nucleotide Exchange Factor |  |
| **Gelsolin** | Gelsolin |  |
| **Profilin** | Profilin |  |
| **PIX** | p21-actciated Protein Kinase Exchange Factor | ARHGEF7 |
| **Stathmin** | Stathmin |  |
| **PDK1** | Pyruvate Dehydrogenase Kinase1 |  |
| **Paxilin** | Paxilin |  |
| **Talin** | Talin |  |
| **Actinin** | Alpha-actinin-1 |  |
| **ILK** | Integrin-linked protein kinase |  |
| **ppMLC** | di-phosphorylated non-muscle myosin light chain |  |
| **Src** | proto-oncogene c-Src |  |
| **MLCK** | Myosin Light Chain Kinase |  |
| **cAMP** | cyclic adenosine monophosphate |  |
| **p130Cas** | p130 CRK-associated Substrate |  |
| **GRF2** | General Regulatory Factor 2 |  |
| **IP3** | Inositol Triphosphate |  |
| **MLCP** | Myosin Light Chain Phosphatase |  |
| **TIAM** | T-cell lymphoma invasion and metastasis-inducing protein 1 |  |
| **F-Actin** | Actin Filaments |  |
| **bRaf** | b-RAF proto-oncogene |  |
| **Cofilin** | Cofilin |  |
| **RhoA** | Ras Homolog Family Member A |  |
| **PAK** | p21 activated kinases |  |
| **Vav** | Rho Guanine Nucleotide Exchange Factor |  |
| **GSK** | Glycogen synthase kinase 3 |  |
| **ERK** | Extracellular signal regulated kianse | MAPK |
| **DAG** | Diglyceride |  |
| **PIP5K** | Phosphatidylinositol 4-phosphate 5-kinase |  |
| **Rap1** | Saccharomyces cerevisiae repressor-activator protein 1 |  |
| **PIP2** | Phosphatidylinositol 4.5-bisphosphate |  |
| **MEK1** | Mitogen -activated protein kinase 1 | MAP2K |
| **RTK** | Receptor Tyrosine Kinase |  |
| **Wave** | WASP-family verprolin-homologous protein |  |
| **FAK** | focal adhesion kinase |  |
| **SOS** | Son of Sevenless |  |
| **Grb2** | Growth Factor Receptor Bound Protein 2 |  |
| **mTOR** | Mammalian Target of Rapamycin |  |
| **ROCK** | Rho-associated protein kinase |  |
| **AC** | adenylate cyclase |  |
| **DNA** | Signals change cell proliferation or cell cycle |  |
| **PIP3** | Phosphatidylinositol 3,4.5-triphosphate |  |
| **PI3K** | Phosphoinositide 3-kinases |  |
| **HRas** | RasGTPase |  |
| **mDia1** | Mouse Diaphanous 2, Formin |  |
| **Akt** | Protein Kinase B |  |
| **DOCK180** | Dedicator of cytokinesis | DOCK1 |
| **Shc** | Shc-transforming protein 1 |  |
| **PKA** | Protein Kinase A |  |
| **Crk** | Adapter Molecule Crk |  |
| **Raf1** | Raf-1 photo-oncogene, serine/threonine kinase |  |
| **β2AR** | β2- Adrenergic Receptor |  |
| **Gs** | Gs alpha subunit |  |
| **Rac** | Rho Family GTPases |  |
| **LIMK** | LIM Domain Kinase 1 |  |
| **Ca** | Calcium |  |
| **Wasp** | Wiskott-Aldrich Syndrome Protein |  |
| **JNK** | c-Jun N-terminal Kinases |  |
| **Arp** | Actin Related Protein 2/3 | ARP2/3 |
| **Cdc42** | Cell Division Cycle 42 |  |
| **CaM** | Calmodulin |  |
| **CaMK** | Calmodulin Dependent Protein Kinase |  |
| **TRPV** | Transient Receptor Potential Cation Channel V |  |
| **TRPC** | Transient Receptor Potential Cation Channel C |  |
| **PLCb** | Phospholipase C-beta |  |
| **IP3R** | Inositol Trisphosphate Receptor |  |

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