|  |  |
| --- | --- |
|  | AR |
|  | MTOR |
|  | MAPK |

**STRING RESULTS:**

|  |  |
| --- | --- |
| PRKACB | YWHAZ |
| GNB4 |
| CDK1 |
| RAB11A |
| EDN1 |
| MNAT1 |
| SERBP1 | RPS6 |
| RPS10 |
| RPS29 |
| RPS20 |
| EEF2 |
| RPS8 |
| RPS9 |
| FAU |
| NDUFA12 | NDUFB5 |
| CDK1 | NCAPD3 |
| CEP57 |
| DHFR |
| MNAT1 |
| CALD1 |
| PRKACB |
| CDK6 |
| NCOR1 |
| EIF5B | EIF5 |
| FAU |
| RPL31 |
| RPS8 |
| RPL5 |
| RPL23 |
| RPS20 |
| RPS6 |
| RPS29 |
| RPL29 |
| RPS10 |
| RPL35A |
| UCHL5 | KIAA0368 |

**INTER-PATHWAY GENE INTERACTIONS**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **AR-MTOR** | |  | **MTOR-MAPK** | |  | **AR-MAPK** | |
| IGFBP3 | KLK3 |  | EDN1 | EDNRA |  | RPL31 | RPS8 |
| RPL29 | EIF5 |  | HIF1A | HSPA4 |  | FAU | RPL23 |
| RPS6 | SERBP1 |  | EIF5B | EIF5 |  | FAU | RPL29 |
| SERBP1 | RPS10 |  | HSP90B1 | HSPA9 |  | FAU | EEF2 |
| RPS29 | SERBP1 |  | HIF1A | NT5E |  | FAU | RPS29 |
| RPS20 | SERBP1 |  | HSP90AB1 | HSPA4 |  | FAU | RPS20 |
| DDC | MAOA |  | IGFBP3 | ADAM12 |  | RPL31 | RPL23 |
| SERBP1 | EEF2 |  | TKT | RPIA |  | RPL31 | RPL5 |
| NCAPD3 | CDK1 |  | HSP90AB1 | AKT3 |  | RPL35A | RPL31 |
| RPS8 | SERBP1 |  | HSP90AB1 | HSPA13 |  | RPL31 | RPS6 |
| SERBP1 | RPS9 |  | DHFR | CDK1 |  | FAU | RPL5 |
| HIF1A | CP |  | EDN1 | IL6 |  | RPL31 | RPL29 |
| RPS6 | EIF5 |  | GPX2 | GGT1 |  | FAU | RPS8 |
| RPL29 | SPCS1 |  | FAU | SERBP1 |  | FAU | RPS9 |
| RPS29 | SPCS1 |  | FAU | EIF5 |  | FAU | RPS10 |
| RPL23 | SPCS1 |  | FAU | SEC11A |  | FAU | RPS6 |
| RPL35A | EIF5 |  | TTC32 | HSP90AB1 |  | RPL31 | RPS10 |
| RPL5 | EIF5 |  | CDK1 | MNAT1 |  | RPS20 | RPL31 |
| RPS20 | EIF5 |  | HIF1A | NCOR1 |  | FAU | RPL35A |
| RPS8 | EIF5 |  | CDK1 | CDK6 |  | RPL31 | RPS29 |
| RPS10 | EIF5 |  | CDK1 | NCOR1 |  | RPL31 | EEF2 |
| RPS20 | SPCS1 |  | RPL31 | EIF5 |  | RPS8 | EIF5B |
| RPL35A | SPCS1 |  | FAU | HSP90AB1 |  | RPL5 | EIF5B |
| RPL23 | EIF5 |  | RPL31 | SPCS1 |  | RPL31 | RPS9 |
| RPS10 | SEC11A |  | FAU | SPCS1 |  | RPL23 | EIF5B |
| RPS29 | SEC11A |  | POLR2L | MNAT1 |  | RPS20 | EIF5B |
| RPS6 | SPCS1 |  | RPL31 | SEC11A |  | RPS6 | EIF5B |
| CDK1 | CEP57 |  | PRKACB | MNAT1 |  | RPS29 | EIF5B |
| RPS8 | SPCS1 |  |  |  |  | LIFR | IL6 |
| RPL5 | SPCS1 |  |  |  |  | RPL29 | EIF5B |
| RPL5 | SEC11A |  |  |  |  | GDF15 | EGR1 |
| RPS6 | SEC11A |  |  |  |  | RPS10 | EIF5B |
| NCAPD3 | SET |  |  |  |  | SARNP | RBMS1 |
| RPS10 | SPCS1 |  |  |  |  | KLK3 | CDK6 |
| RPL29 | SEC11A |  |  |  |  | KLK3 | EGR1 |
| RPS20 | SEC11A |  |  |  |  | RPL35A | EIF5B |
| RPL35A | SEC11A |  |  |  |  |  |  |
| RPL23 | SEC11A |  |  |  |  |  |  |
| PLA2G2A | CHPT1 |  |  |  |  |  |  |
| RPS29 | EIF5 |  |  |  |  |  |  |
| RPS8 | SEC11A |  |  |  |  |  |  |

**INTRA-PATHWAY GENE INTERACTIONS**

FROM EXCEL “connections\_value\_STRING” - INTRA

**GENEMANIA RESULTS:**

**INTER-PATHWAY GENE INTERACTIONS**

FROM EXCEL “final\_genemania” – INTER

**INTRA-PATHWAY GENE INTERACTIONS**

FROM EXCEL “final\_genemania” - INTRA