# Joint Association Analysis

| Model | term | estimate | std.error | statistic | p.value | conf.low | conf.high | Cases\_Low A / Low B | Cases\_Low A / High B | Cases\_High A / Low B | OR\_CI\_Low A / Low B | OR\_CI\_Low A / High B | OR\_CI\_High A / Low B | P\_value\_Low A / Low B | P\_value\_Low A / High B | P\_value\_High A / Low B |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  | 0 |  |  | 1.00 (ref) |  |  |  |  |  |
| Model1 | groupLow A / High B | 3,611,852.5131782423704862594604492187500000000000000000000000000000000000000000000000000000000000 | 2,399.545 | 0.0062927482 | 0.9949791 | 0.00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000003790015 |  |  | 3 |  |  | 3611852.51 (0.00-NA) |  |  | 0.995 |  |
| Model2 | groupLow A / High B | 0.0000000000000000000000000000000000000000000000000000018103080616368412682851018393399924 | 93,475.636 | -0.0013238326 | 0.9989437 | 0.00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000 | Inf |  | 3 |  |  | 0.00 (0.00-Inf) |  |  | 0.999 |  |
| Model3 | groupLow A / High B | 0.0000000000000000000000000000000000000000000000000000000016598137032246581152777715298031 | 303,095.489 | -0.0004313513 | 0.9996558 | 0.00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000 | Inf |  | 3 |  |  | 0.00 (0.00-Inf) |  |  | 1.000 |  |
| Model4 | groupLow A / High B | 0.0000000000000000000000000000000000000000000000000000000016598137032246581152777715298031 | 303,095.489 | -0.0004313513 | 0.9996558 | 0.00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000 | Inf |  | 3 |  |  | 0.00 (0.00-Inf) |  |  | 1.000 |  |
| Model1 | groupHigh A / Low B | 43,041,242.4487076997756958007812500000000000000000000000000000000000000000000000000000000000000000 | 2,399.545 | 0.0073254183 | 0.9941552 | 0.00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000031335559 |  |  |  | 11 |  |  | 43041242.45 (0.00-NA) |  |  | 0.994 |
| Model2 | groupHigh A / Low B | 0.0000000000000000000000000000000000000000000000000000000000000000000000000000000008966446 | 105,651.357 | -0.0017663615 | 0.9985906 | 0.00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000 | Inf |  |  | 11 |  |  | 0.00 (0.00-Inf) |  |  | 0.999 |
| Model3 | groupHigh A / Low B | 0.0000000000000000000000000000000000000000000000000000000000000000000000000000000238077814 | 106,204.369 | -0.0017262885 | 0.9986226 | 0.00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000 | Inf |  |  | 11 |  |  | 0.00 (0.00-Inf) |  |  | 0.999 |
| Model4 | groupHigh A / Low B | 0.0000000000000000000000000000000000000000000000000000000000000000000000000000000238077814 | 106,204.369 | -0.0017262885 | 0.9986226 | 0.00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000 | Inf |  |  | 11 |  |  | 0.00 (0.00-Inf) |  |  | 0.999 |