# 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 | Cases\_High A / High B | Cases\_NA | OR\_CI\_Low A / Low B | OR\_CI\_Low A / High B | OR\_CI\_High A / Low B | OR\_CI\_High A / High B | OR\_CI\_NA | P\_value\_Low A / Low B | P\_value\_Low A / High B | P\_value\_High A / Low B | P\_value\_High A / High B | P\_value\_NA |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  | 319 |  |  |  | 23 | 1.00 (ref) |  |  |  | 1.00 (ref) |  |  |  |  |  |
| Model1 | groupLow A / High B | 0.007839856 | 0.2430146 | -19.951622 | 0.0000000000000000000000000000000000000000000000000000000000000000000000000000000000000001451025 | 0.004789647 | 0.01243423 |  | 36 |  |  |  |  | 0.01 (0.00-0.01) |  |  |  |  | 0.000 |  |  |  |
| Model2 | groupLow A / High B | 0.007828710 | 0.2431107 | -19.949584 | 0.0000000000000000000000000000000000000000000000000000000000000000000000000000000000000001511418 | 0.004781879 | 0.01241874 |  | 36 |  |  |  |  | 0.01 (0.00-0.01) |  |  |  |  | 0.000 |  |  |  |
| Model3 | groupLow A / High B | 0.007778067 | 0.2435991 | -19.936225 | 0.0000000000000000000000000000000000000000000000000000000000000000000000000000000000000001974108 | 0.004746122 | 0.01234950 |  | 36 |  |  |  |  | 0.01 (0.00-0.01) |  |  |  |  | 0.000 |  |  |  |
| Model4 | groupLow A / High B | 0.007778067 | 0.2435991 | -19.936225 | 0.0000000000000000000000000000000000000000000000000000000000000000000000000000000000000001974108 | 0.004746122 | 0.01234950 |  | 36 |  |  |  |  | 0.01 (0.00-0.01) |  |  |  |  | 0.000 |  |  |  |
| Model1 | groupHigh A / Low B | 1.928291535 | 0.2502603 | 2.623806 | 0.0086953266639053002767800748529225529637187719345092773437500000000000000000000000000000000000 | 1.181977145 | 3.16470469 |  |  | 518 |  |  |  |  | 1.93 (1.18-3.16) |  |  |  |  | 0.009 |  |  |
| Model2 | groupHigh A / Low B | 1.934944871 | 0.2504017 | 2.636079 | 0.0083870107435036252846449755793400981929153203964233398437500000000000000000000000000000000000 | 1.185737342 | 3.17651686 |  |  | 518 |  |  |  |  | 1.93 (1.19-3.18) |  |  |  |  | 0.008 |  |  |
| Model3 | groupHigh A / Low B | 1.912645865 | 0.2511631 | 2.581938 | 0.0098247102036335652586185318568823277018964290618896484375000000000000000000000000000000000000 | 1.170295653 | 3.14443863 |  |  | 518 |  |  |  |  | 1.91 (1.17-3.14) |  |  |  |  | 0.010 |  |  |
| Model4 | groupHigh A / Low B | 1.912645865 | 0.2511631 | 2.581938 | 0.0098247102036335652586185318568823277018964290618896484375000000000000000000000000000000000000 | 1.170295653 | 3.14443863 |  |  | 518 |  |  |  |  | 1.91 (1.17-3.14) |  |  |  |  | 0.010 |  |  |
| Model1 | groupHigh A / High B | 0.009282254 | 0.2726974 | -17.160597 | 0.0000000000000000000000000000000000000000000000000000000000000000052372465333619174985214318785 | 0.005320774 | 0.01553305 |  |  |  | 24 |  |  |  |  | 0.01 (0.01-0.02) |  |  |  |  | 0.000 |  |
| Model2 | groupHigh A / High B | 0.009282358 | 0.2727315 | -17.158414 | 0.0000000000000000000000000000000000000000000000000000000000000000054378718310796735174113614201 | 0.005320472 | 0.01553424 |  |  |  | 24 |  |  |  |  | 0.01 (0.01-0.02) |  |  |  |  | 0.000 |  |
| Model3 | groupHigh A / High B | 0.009189684 | 0.2735803 | -17.141858 | 0.0000000000000000000000000000000000000000000000000000000000000000072303501013730292177832581984 | 0.005258274 | 0.01540360 |  |  |  | 24 |  |  |  |  | 0.01 (0.01-0.02) |  |  |  |  | 0.000 |  |
| Model4 | groupHigh A / High B | 0.009189684 | 0.2735803 | -17.141858 | 0.0000000000000000000000000000000000000000000000000000000000000000072303501013730292177832581984 | 0.005258274 | 0.01540360 |  |  |  | 24 |  |  |  |  | 0.01 (0.01-0.02) |  |  |  |  | 0.000 |  |