**S2 Table. Node split method for inconsistence check in network**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Comparison | Direct | Indirect | Difference | P |
| Coef. | S.E. | Coef. | S.E. | Coef. | S.E. |
| Alogliptin vs Placebo | 0.6534673 | 0.3109991 | 0.8144742 | 0.6601806  | -0.1610069 | 0.7297735 | 0.825 |
| Alogliptin vs SU | 0.0835191 | 0.5723433 | 0.1079584  | 0.4610698  | -0.0244394 | 0.7349572 | 0.973 |
| Alogliptin vs TZD | 2.047849 | 1.587327 | -0.522498  | 0.9853233 | 2.570347 | 1.921661 | 0.181 |
| GLP-1RAs vs Placebo | 1.09595 | 2.003285 | 0.3375515  | 0.7256537 | 0.7583984  | 2.130925  | 0.722 |
| GLP-1RAs vs Sitagliptin | 0.0217796 | 0.6840839 | -0.7895481  | 1.297498 | 0.8113277 | 1.353374 | 0.549 |
| GLP-1RAs vs SU | 0.986378 | 1.348668 | -0.4452502  | 0.7537319  | 1.431628 | 1.444081 | 0.322 |
| GLP-1RAs vs Vildagliptin | -1.147798 | 1.643001 | 0.8593131  | 0.9964404 | -2.007111 | 1.921548 | 0.296 |
| Linagliptin vs Placebo | -0.0617424 | 0.3599897 | -0.3362207  | 0.6502259 | 0.2744783 | 0.743227 | 0.712 |
| Linagliptin vs Met | -0.6665337 | 1.515245 | 0.0085266  | 0.9865694  | -0.6750603 | 1.808114 | 0.709 |
| Linagliptin vs SU | -0.8161314 | 0.603085 | -0.6419117  | 0.4860005  | -0.1742197 | 0.7745373 | 0.822 |
| Met vs Placebo | -0.3721903 | 1.63981 | 0.2058363  | 0.924976 | -0.5780266 | 1.8827 | 0.759 |
| Met vs Sitagliptin | -0.5276206 | 1.111897  | -0.415954  | 1.157406 | -0.1118252 | 1.604967 | 0.944 |
| SGLT2 vs Placebo | 0.7889057 | 0.7183029 | 0.1302893  | 0.8730541 | 0.6586164  | 1.144333 | 0.565 |
| SGLT2 vs Saxagliptin | 0.9528541 | 1.554595 | 0.573083  | 0.5990864 | 0.3797711  | 1.666035 | 0.820 |
| SGLT2 vs Sitagliptin | -0.2952572 | 0.6910753 | 0.6399432  | 1.126847 | -0.9352004 | 1.392352 | 0.502 |
| Saxagliptin vs Placebo | -0.0972671 | 0.139485 | -0.1755116  | 0.6549875  | 0.0782445 | 0.6696751 | 0.907 |
| Saxagliptin vs SU | -0.6992461 | 0.6144716 | -0.6797541  | 0.3743923 | -0.0194921 | 0.7195446 | 0.978 |
| Sitagliptin vs Placebo | 0.5964493 | 0.3482673 | 0.4291936  | 0.4901045  | 0.1672557  | 0.6019881  | 0.781 |
| Sitagliptin vs SU | -0.0785488 | 0.4025058 | 0.0084987  | 0.4974427  | -0.0870476  | 0.639891  | 0.892 |
| Sitagliptin vs TZD | -0.5394459 | 0.9449181 | 1.308341  | 1.328626 | -1.847787  | 1.630366  | 0.257 |
| SU vs Placebo | -0.3470254 | 1.334682 | 0.6419721  | 0.3152285  | -0.9889975  | 1.379773  | 0.474 |
| TZD vs Placebo | -0.4542078 | 1.589651 | 0.8078304  | 0.9480594  | -1.262038  | 1.90799  | 0.508 |
| Vildagliptin vs Placebo | -0.1368283 | 0.6683724 | 1.870283  | 1.801566 | -2.00711  | 1.921552 | 0.296 |

Note: GLP-1RAs: (Glucagon-like peptide-1) receptor agonists; SGLT-2: Sodium-Glucose co-Transporter 2; Met: metformin; SU: sulphanylureas; TZD: thiazolidinediones.