**ESM 1 – Table:** Analysis results of genetic model.

| Genetic model | Heterogeneity test | | Statistical model | Test for overall effect | | Begg's test | Egger's test |
|---|---|---|---|---|---|---|---|
| | $I^2$(%) | $P_h$ | | OR (95 % CI) | *P*-value | *P*-value | *P*-value |
| 4G vs 5G | 84.30 % | 0.000 | R | 1.25 [1.05, 1.49] | 0.014 | 0.574 | 0.051 |
| 4G/4G+5G/4G vs 5G/5G | 78.7 % | 0.000 | R | 1.38 [1.06, 1.81] | 0.019 | 0.574 | 0.112 |
| 4G/4G vs 5G/4G+5G/5G | 65.80 % | 0.000 | R | 1.34 [1.10, 1.63] | 0.004 | 0.388 | 0.348 |
| 4G/4G+ 5G/5G vs 5G/4G | 64.80 % | 0.000 | R | 0.98 [0.83, 1.17] | 0.856 | 0.680 | 0.605 |
| 4G/4G vs 5G/5G | 74.20 % | 0.000 | R | 1.59 [1.17, 2.15] | 0.003 | 0.851 | 0.419 |
| 5G/4G vs 5G/5G | 73.50 % | 0.000 | R | 1.27 [1.00, 1.65] | 0.049 | 0.476 | 0.298 |

R: random effect model; F: fixed effect model