**Table S6\_** Bonferroni multiple testing correction for 13 variables (Family history, need colectomy, need biologics, prognosis and dominant, recessive and log-additive models for rs1257220, rs3814022 and rs4953911). Table presents the p values before and after Bonferroni correction.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | *Before Bonferroni correction* | | | |  |  | *After Bonferroni correction* | | | |
|  | **Family history** | **Need for colectomy** | **Need for Biologics** | **Prognosis** |  |  | **Family history** | **Need for colectomy** | **Need for Biologics** | **Prognosis** |
| ***Discovery Cohort*** |  |  |  |  |  | ***Discovery Cohort*** |  |  |  |  |
| **rs1257220** |  |  |  |  |  | **rs1257220** |  |  |  |  |
| Dominant | **0.022** | 0.390 | 0.921 | 0.258 |  | Dominant | **0.792** | 1 | 1 | 1 |
| Recessive | 0.534 | 0.984 | 0.466 | 0.302 |  | Recessive | 1 | 1 | 1 | 1 |
| log-Additive | 0.053 | 0.499 | 0.813 | 0.182 |  | log-Additive | 1 | 1 | 1 | 1 |
| **rs3814022** |  |  |  |  |  | **rs3814022** |  |  |  |  |
| Dominant | 0.156 | 0.364 | 0.082 | 0.618 |  | Dominant | 1 | 1 | 1 | 1 |
| Recessive | 0.663 | 0.408 | **0.032** | 0.305 |  | Recessive | 1 | 1 | **1** | 1 |
| log-Additive | 0.221 | 0.290 | **0.021** | 0.955 |  | log-Additive | 1 | 1 | **0.756** | 1 |
| **rs4953911** |  |  |  |  |  | **rs4953911** |  |  |  |  |
| Dominant | 0.352 | 0.484 | 0.219 | 0.659 |  | Dominant | 1 | 1 | 1 | 1 |
| Recessive | 0.818 | 0.270 | 0.059 | 0.203 |  | Recessive | 1 | 1 | 1 | 1 |
| log-Additive | 0.438 | 0.220 | 0.065 | 0.815 |  | log-Additive | 1 | 1 | 1 | 1 |
| ***Validation Cohort*** |  |  |  |  |  | ***Validation Cohort*** |  |  |  |  |
| **rs1257220** |  |  |  |  |  | **rs1257220** |  |  |  |  |
| Dominant | 0.284 | 0.175 | 0.531 | 0.846 |  | Dominant | 1 | 1 | 1 | 1 |
| Recessive | **0.021** | 0.237 | 0.191 | 0.368 |  | Recessive | **0.756** | 1 | 1 | 1 |
| log-Additive | 0.056 | 0.124 | 0.292 | 0.599 |  | log-Additive | 1 | 1 | 1 | 1 |
| **rs3814022** |  |  |  |  |  | **rs3814022** |  |  |  |  |
| Dominant | 0.605 | 0.731 | 0.078 | **0.027** |  | Dominant | 1 | 1 | 1 | **0.972** |
| Recessive | 0.061 | 0.700 | 0.385 | 0.663 |  | Recessive | 1 | 1 | 1 | 1 |
| log-Additive | 0.880 | 0.906 | 0.078 | 0.057 |  | log-Additive | 1 | 1 | 1 | 1 |
| **rs4953911** |  |  |  |  |  | **rs4953911** |  |  |  |  |
| Dominant | 0.834 | 0.210 | 0.082 | **0.012** |  | Dominant | 1 | 1 | 1 | **0.432** |
| Recessive | **0.048** | 0.924 | 0.256 | 0.392 |  | Recessive | **1** | 1 | 1 | 1 |
| log-Additive | 0.650 | 0.3443 | 0.064 | **0.022** |  | log-Additive | 1 | 1 | 1 | **0.792** |
| ***Combined Cohort*** |  |  |  |  |  | ***Combined Cohort*** |  |  |  |  |
| **rs1257220** |  |  |  |  |  | **rs1257220** |  |  |  |  |
| Dominant | **0.025** | **0.037** | 0.915 | 0.675 |  | Dominant | **0.900** | **1** | 1 | 1 |
| Recessive | **0.019** | 0.447 | 0.102 | 0.996 |  | Recessive | **0.684** | 1 | 1 | 1 |
| log-Additive | **0.006** | 0.052 | 0.419 | 0.751 |  | log-Additive | **0.216** | 1 | 1 | 1 |
| **rs3814022** |  |  |  |  |  | **rs3814022** |  |  |  |  |
| Dominant | 0.182 | 0.980 | **0.046** | 0.063 |  | Dominant | 1 | 1 | **1** | 1 |
| Recessive | 0.430 | 0.554 | 0.090 | 0.674 |  | Recessive | 1 | 1 | 1 | 1 |
| log-Additive | 0.486 | 0.784 | **0.022** | 0.215 |  | log-Additive | 1 | 1 | **0.792** | 1 |
| **rs4953911** |  |  |  |  |  | **rs4953911** |  |  |  |  |
| Dominant | 0.475 | 0.670 | 0.141 | **0.047** |  | Dominant | 1 | 1 | 1 | **1** |
| Recessive | 0.289 | 0.697 | 0.106 | 0.793 |  | Recessive | 1 | 1 | 1 | 1 |
| log-Additive | 0.927 | 0.884 | 0.063 | 0.173 |  | log-Additive | 1 | 1 | 1 | 1 |