**S12 Table.** Colocalisation results for PCSK9 and LDLR with oral and oropharyngeal cancer combined and LDL-C.

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| --- | --- | --- |
| **PCSK9** | **N SNPs** | 1481 |
| **H0: neither trait has a genetic association in the region** | 2.66E-135 |
| **H1: only trait 1 has a genetic association in the region** | 0.856 |
| **H2: only trait 2 has a genetic association in the region** | 2.76E-136 |
| **H3: both traits are associated, but with different causal variants** | 0.089 |
| **H4: both traits are associated and share a single causal variant** | 0.055 |

|  |  |  |
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| **LDLR** | **N SNPs** | 815 |
| **H0: neither trait has a genetic association in the region** | 9.61E-255 |
| **H1: only trait 1 has a genetic association in the region** | 0.946 |
| **H2: only trait 2 has a genetic association in the region** | 2.91E-256 |
| **H3: both traits are associated, but with different causal variants** | 0.029 |
| **H4: both traits are associated and share a single causal variant** | 0.026 |