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| Supplementary Table 5-1. Enrichment analysis for ipath with the GWAS results: all subjects |
| Gene category | Number of genes | P-value |
| Axonal guidance signaling | 63 | 0.017  |
| No gene category was significantly associated after multiple testing correction (P > 0.05/92)  |  |  |
|  |  |  |
| Supplementary Table 5-2. Enrichment analysis for ipath with the GWAS results: older subjects (age>56 ) |
| Gene category | Number of genes | P-value |
| Sonic hedgehog signaling | 10 | 0.002  |
| JAK STAT signaling | 9 | 0.005  |
| Role of BRCA1 in DNA damage response | 29 | 0.012  |
| Chemokine signaling | 23 | 0.040  |
| No gene category was significantly associated after multiple testing correction (P > 0.05/92)  |  |  |
|  |  |  |
| Supplementary Table 5-3. Enrichment analysis for ipath with the GWAS results: younger subjects (age≦56) |
| Gene category | Number of genes | P-value |
| Tight junction signaling | 37 | 0.046  |
| No gene category was significantly associated after multiple testing correction (P > 0.05/92)  |  |  |