

(a)

| Gene/node | Degree | Chr | Gene info |
|-----------|--------|-----|--|
| ALPP | 3 | 2 | alkaline phosphatase, placental |
| AZU1 | 2 | 19 | azurocidin 1 |
| MPO | 2 | 17 | myeloperoxidase |
| ARL8B | 2 | 3 | ADP-ribosylation factor-like 8B |
| ALPPL2 | 1 | 2 | alkaline phosphatase, placental-like 2 |

(b)

| Gene set | OR (95% C.I.) | <i>q</i> -val |
|-----------------------------------|--------------------|---------------|
| MARTINELLI_IMMATURE_NEUTROPHIL_UP | 2300 (140-4.5e+15) | 0.014 |
| KEGG_FOLATE_BIOSYNTHESIS | 920 (65-8200) | 0.032 |

(a) Gene/node details, and (b) significantly enriched gene sets, for the largest biologically significant module in the BRCA data set. *Q*-values in (b) indicate significance of enrichment in the corresponding gene set by the genes in this module, calculated according to a one-sided Fisher's exact test. Further details about these gene sets can be found from the website of the Broad Institute Molecular Signatures Database (<http://www.broadinstitute.org>).