| Hugo id  | Fragile site | Hugo id  | Fragile site | Hugo id  | Fragile site | Hugo id  | Fragile site | Hugo id  | Fragile site | Hugo id  | Fragile site | Hugo id  | Fragile site |
|----------|--------------|----------|--------------|----------|--------------|----------|--------------|----------|--------------|----------|--------------|----------|--------------|
| GREM2    | 1q43         | CKLF2    | FRA16C       | CKLF3    | FRA16C       | CKLF    | FRA16C       | CKLFSF4  | FRA16C       | GLMN    | FRA1D       | TNFSF18  | FRA1G       |
| TNFSF4   | FRA1G        | LIF      | FRA22B       | OSM      | FRA22B       | FAM3D   | FRA3B        | THPO     | FRA3C        | ARTS1   | FRA5D       | EPO      | FRA7F       |
| PBESF1   | FRA7F        | IFNA10   | FRA9C        | IFNA14   | FRA9C        | IFNA17  | FRA9C        | IFNA1    | FRA9C        | IFNA21  | FRA9C       | IFNA2    | FRA9C       |
| IFNA4    | FRA9C        | IFNA5    | FRA9C        | IFNA6    | FRA9C        | IFNA8   | FRA9C        | IFNB1    | FRA9C        | IFNK    | FRA9C       | IFNW1    | FRA9C       |
| NP_008831.2 | FRA9C    | NP_795372.1 | FRA9C |   |   |   |   |   |   |   |   |   |   |

**cytokine activity (GO:0005125):**

- LIF  FRA22B  OSM  FRA22B  ARTS1  FRA5D  EPO  FRA7F  IFNA10  FRA9C  IFNA14  FRA9C  IFNA17  FRA9C  IFNA1  FRA9C  IFNA21  FRA9C  IFNA2  FRA9C  IFNA4  FRA9C  IFNA5  FRA9C  IFNA6  FRA9C  IFNA8  FRA9C  IFNB1  FRA9C  IFNK  FRA9C  IFNW1  FRA9C

**hematopoietin/interferon-class (D200-domain) cytokine receptor (GO:0005126):**

- TMED8  FRA14C  TMED6  FRA16C  TMED5  FRA1D  SEC14L2  FRA22B  SEC14L3  FRA22B  SEC14L4  FRA22B  AZGP1  FRA7F

**interferon-alpha/beta receptor binding (GO:0005132):**

- IFNA10  FRA9C  IFNA17  FRA9C  IFNA1  FRA9C  IFNA2  FRA9C  IFNA4  FRA9C  IFNB1  FRA9C  IFNK  FRA9C  IFNW1  FRA9C

**protein carrier activity (GO:0008320):**

- TMED8  FRA14C  TMED6  FRA16C  TMED5  FRA1D  SEC14L2  FRA22B  SEC14L3  FRA22B  SEC14L4  FRA22B  AZGP1  FRA7F

**response to virus (GO:0009615):**

- IFNA10  FRA9C  IFNA14  FRA9C  IFNA17  FRA9C  IFNA1  FRA9C  IFNA2  FRA9C  IFNA4  FRA9C  IFNB1  FRA9C  IFNK  FRA9C  IFNW1  FRA9C

- IFNA14  FRA1G  IVNS1ABP  FRA1G  IFNA10  FRA9C  IFNA14  FRA9C  IFNA17  FRA9C  IFNA1  FRA9C  IFNA2  FRA9C  IFNA4  FRA9C  IFNB1  FRA9C  IFNK  FRA9C  IFNW1  FRA9C