

Proneural (G)

Active cell cycle
Abnormal immune response

Neural (E)

Cell cycle progression by p27 phosphorylation

EGFR
mutation (H)

GBM (A)

Active epithelia construction
Possible loss of vitamin D susceptibility

Age < 40 (L)

Age < 40 (M)

Proneural (F)

Active cell cycle

Age < 40 (K)

Proneural

Neural

EGFR
mutation (I)

--- GBM generic

--- Classical

--- Mesenchymal

--- Neural

--- Proneural

Classical (B)

Abnormal central nervous system development
Possible loss of androgen susceptibility

MGMT
methylation (J)**Classical (C)**

Regulation of EGFR

Mesenchymal (D)

Extracellular matrix construction
Epithelial-mesenchymal transition

