A
Genes
OT1
OT2
OT3
OT5
OT8
OT12
OT14
OT22
OT26
OT27
OT35
OT51
OT52
OT54
OT6
OT11
OT17
OT19
OT24
OT39
OT44
up-regulation
down-regulation
MMP1
MMP10
MMP11
MMP3
SPP1
TUBB3
TDO2
PTHLH
LAMC2
OLR1
CCL11
TM4SF19
SERPINE1
CYP27B1
PI15
RBP1
SCG5
WDR66
PLAU
C19orf28
MSC
LIFR
CGNL1
EPB49
RERG
SH3BGRL2
SLC7A2
TMEFF2
EPHX2
GATM
CYP4F12
F10
CCL14
RSPO1
PPP1R3C
ABCA8
CNTFR
MAL
TCEAL2
FAM107A
RERGL
SCARA5
APOD
CRNN
B
Smoking
Y N
Alcohol
Y N
Chewing
Y N
HPV
Positive Negative
Grade
WD MD PD
Node
Positive Negative
Recurrence
M Y N
Stage
Late Early
100
50
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
Metabolism and Signalling pathways
1 Arachidonic acid 2 Arginine and proline 3 Complement and coagulation cascades 4 ECM-receptor interaction 5 Ether lipid 6 Gap junction 7 Glutathione 8 Glycine, serine and threonine 9 HIF-1 10 Insulin 11 JAK-STAT 12 NF-kappa B 13 p53 14 PPAR 15 Sphingolipid 16 Steroid biosynthesis 17 Toll-like receptor 18 Tryptophan 19 VEGF