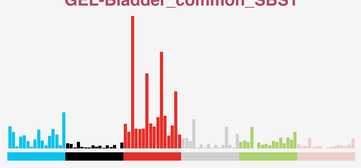
Figure S28

A

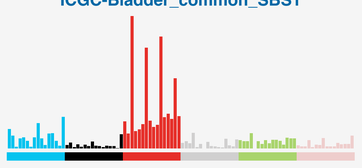
Bladder
common SBS signatures

SBS1

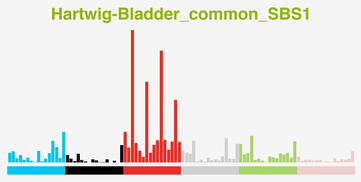
GEL-Bladder_common_SBS1



ICGC-Bladder_common_SBS1



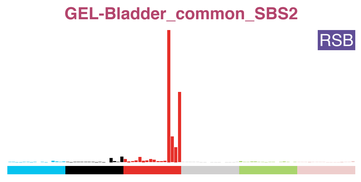
Hartwig-Bladder_common_SBS1



SBS2

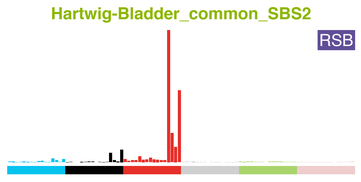
GEL-Bladder_common_SBS2

RSB



Hartwig-Bladder_common_SBS2

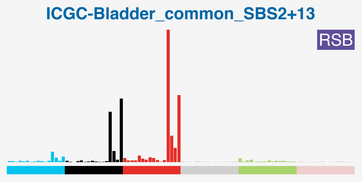
RSB



SBS2+13

ICGC-Bladder_common_SBS2+13

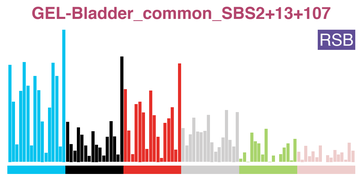
RSB



SBS2+13+107

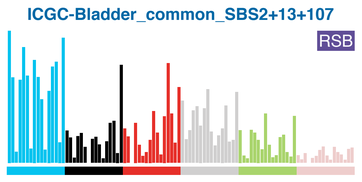
GEL-Bladder_common_SBS2+13+107

RSB



ICGC-Bladder_common_SBS2+13+107

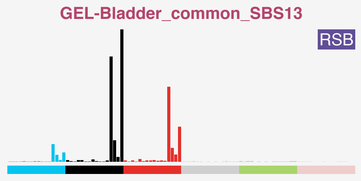
RSB



SBS13

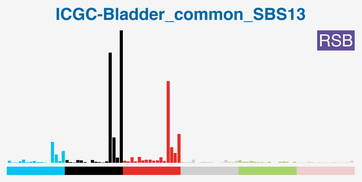
GEL-Bladder_common_SBS13

RSB



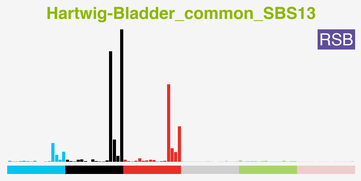
ICGC-Bladder_common_SBS13

RSB



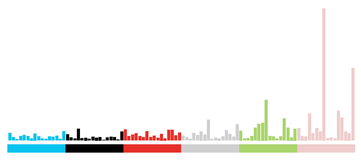
Hartwig-Bladder_common_SBS13

RSB

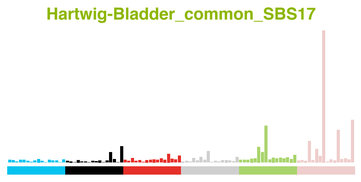


SBS17

GEL-Bladder_common_SBS17



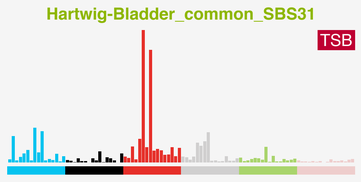
Hartwig-Bladder_common_SBS17



SBS31

Hartwig-Bladder_common_SBS31

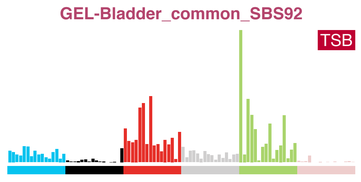
TSB



SBS92

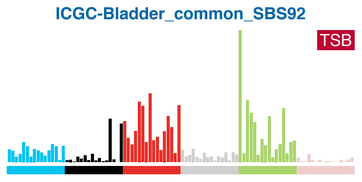
GEL-Bladder_common_SBS92

TSB



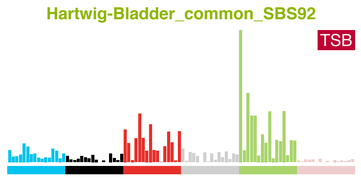
ICGC-Bladder_common_SBS92

TSB



Hartwig-Bladder_common_SBS92

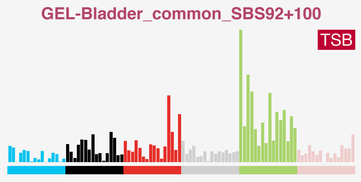
TSB



SBS92+100

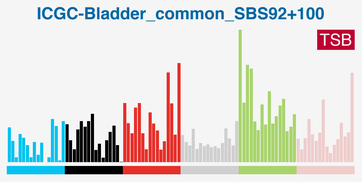
GEL-Bladder_common_SBS92+100

TSB



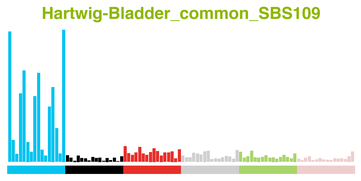
ICGC-Bladder_common_SBS92+100

TSB



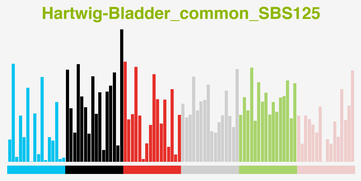
SBS109

Hartwig-Bladder_common_SBS109



SBS125

Hartwig-Bladder_common_SBS125

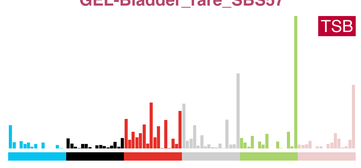


C

Bladder
rare SBS signatures, also in COSMIC v3.2

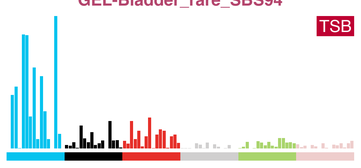
GEL-Bladder_rare_SBS57

TSB

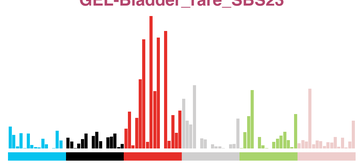


GEL-Bladder_rare_SBS94

TSB

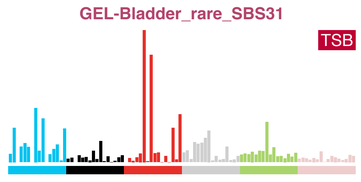


GEL-Bladder_rare_SBS23



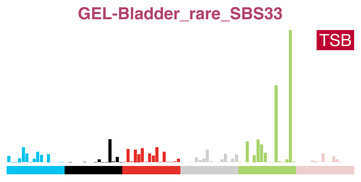
GEL-Bladder_rare_SBS31

TSB



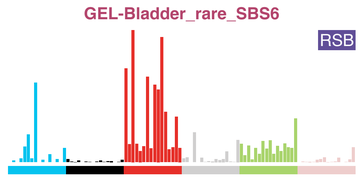
GEL-Bladder_rare_SBS33

TSB



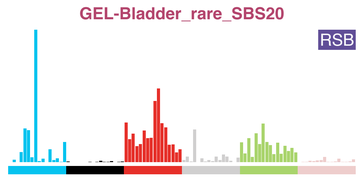
GEL-Bladder_rare_SBS6

RSB



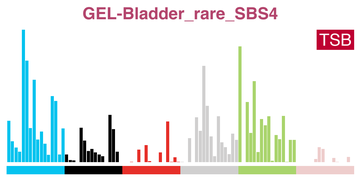
GEL-Bladder_rare_SBS20

RSB



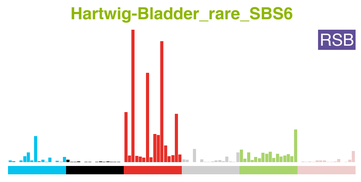
GEL-Bladder_rare_SBS4

TSB



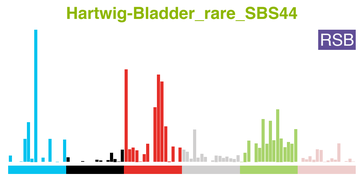
Hartwig-Bladder_rare_SBS6

RSB



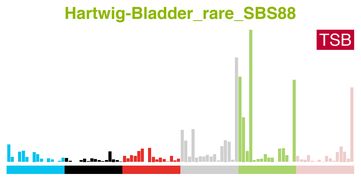
Hartwig-Bladder_rare_SBS44

RSB



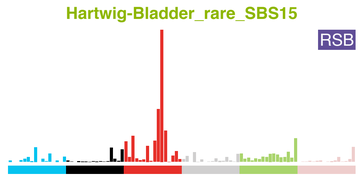
Hartwig-Bladder_rare_SBS88

TSB

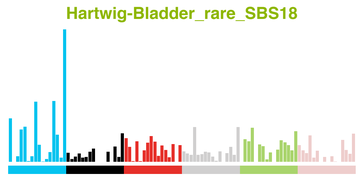


Hartwig-Bladder_rare_SBS15

RSB



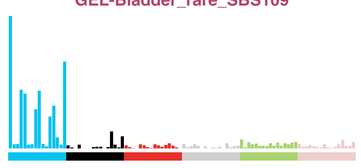
Hartwig-Bladder_rare_SBS18



D

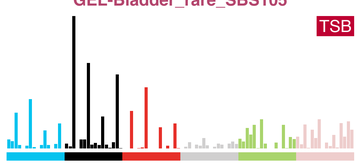
Bladder
rare SBS signatures, not in COSMIC v3.2

GEL-Bladder_rare_SBS109

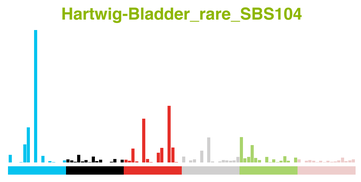


GEL-Bladder_rare_SBS105

TSB



Hartwig-Bladder_rare_SBS104

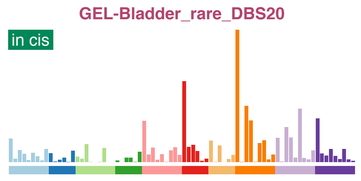


E

Bladder
rare DBS signatures

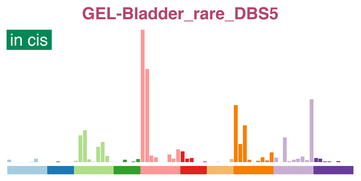
GEL-Bladder_rare_DBS20

in cis



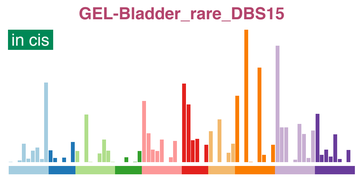
GEL-Bladder_rare_DBS5

in cis



GEL-Bladder_rare_DBS15

in cis



GEL-Bladder_rare_DBS18

in cis

GEL-Bladder_rare_DBS12

ICGC-Bladder_rare_DBS11

in cis

Hartwig-Bladder_rare_DBS18

in cis

Hartwig-Bladder_rare_DBS5

in cis

B

Bladder
common DBS signatures

DBS2

GEL-Bladder_common_DBS2

in cis

Hartwig-Bladder_common_DBS2

in cis

DBS11

GEL-Bladder_common_DBS11

in cis

Hartwig-Bladder_common_DBS11

in cis

DBS13

ICGC-Bladder_common_DBS13

in cis

DBS13+18

Hartwig-Bladder_common_DBS13+18

in cis

DBS20

Hartwig-Bladder_common_DBS20

in cis