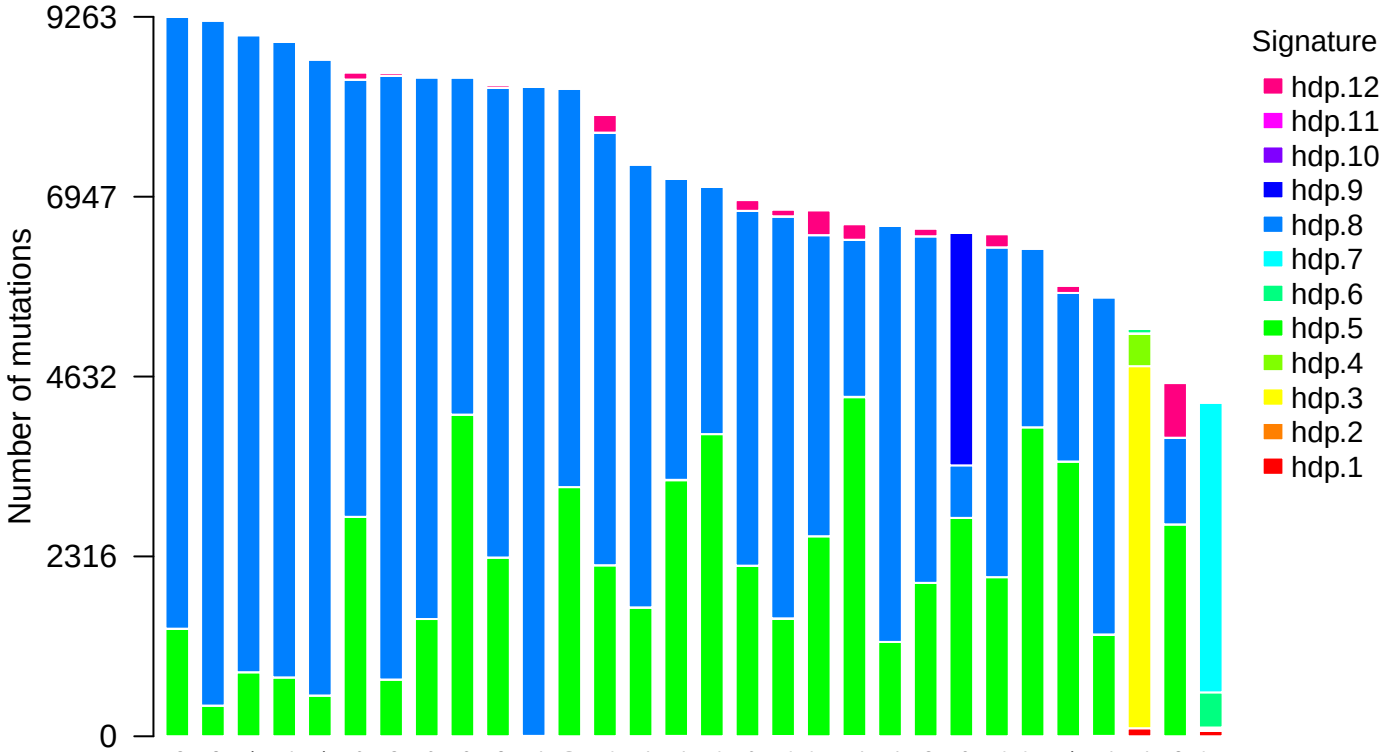
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hdp.5
hdp.4
hdp.3
hdp.2
hdp.1
stomach−AdenoCA::MSI−H.S.6
P.Syn.Stomach−AdenoCA::MSI−H.S.5
SP.Syn.ColoRect−AdenoCA::MSI−H.S.4
SP.Syn.ColoRect−AdenoCA::MSI−H.S.1
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SP.Syn.ColoRect−AdenoCA::MSI−H.S.3
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SP.Syn.Stomach−AdenoCA::MSI−H.S.3
SP.Syn.ColoRect−AdenoCA::MSI−H.S.8
SP.Syn.ColoRect−AdenoCA::MSI−H.S.5
SP.Syn.Stomach−AdenoCA::MSI−H.S.1
SP.Syn.ColoRect−AdenoCA::MSI−H.S.9
SP.Syn.Stomach−AdenoCA::MSI−H.S.2
SP.Syn.Skin−Melanoma::MSI−H.S.1
SP.Syn.Liver−HCC::MSI−H.S.1
SP.Syn.ColoRect−AdenoCA::MSI−H.S.2
SP.Syn.ColoRect−AdenoCA::POLE.S.3
SP.Syn.Liver−HCC::MSI−H.S.2
SP.Syn.ColoRect−AdenoCA::MSI−H.S.7
SP.Syn.Ovary−AdenoCA::MSI−H.S.1
SP.Syn.ColoRect−AdenoCA::POLE.S.1
SP.Syn.ColoRect−AdenoCA::POLE.S.6
SP.Syn.ColoRect−AdenoCA::POLE.S.8
SP.Syn.ColoRect−AdenoCA::POLE.S.2
SP.Syn.ColoRect−AdenoCA::POLE.S.7
SP.Syn.ColoRect−AdenoCA::POLE.S.4
SP.Syn.Kidney−RCC::MSI−H.S.1
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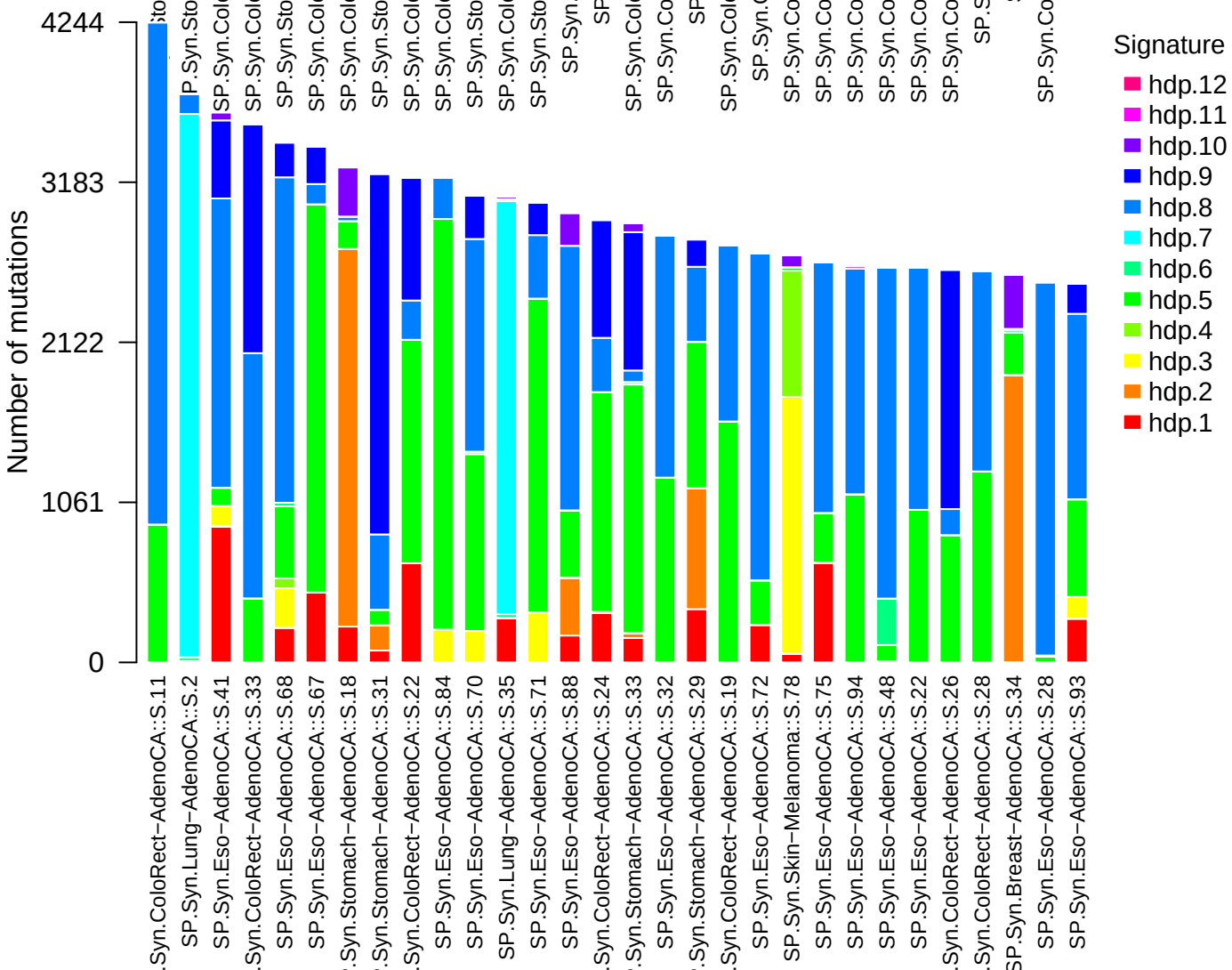
SP.Syn.ColoRect−AdenoCA::POLE.S.5
SP.Syn.Lung−AdenoCA::S.7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hdp.5
hdp.4
hdp.3
hdp.2
hdp.1
.Syn.ColoRect−AdenoCA::S.11
SP.Syn.Lung−AdenoCA::S.2
SP.Syn.Eso−AdenoCA::S.41
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SP.Syn.Eso−AdenoCA::S.68
SP.Syn.Eso−AdenoCA::S.67
.Syn.Stomach−AdenoCA::S.18
.Syn.Stomach−AdenoCA::S.31
.Syn.ColoRect−AdenoCA::S.22
SP.Syn.Eso−AdenoCA::S.84
SP.Syn.Eso−AdenoCA::S.70
SP.Syn.Lung−AdenoCA::S.35
SP.Syn.Eso−AdenoCA::S.71
SP.Syn.Eso−AdenoCA::S.88
.Syn.ColoRect−AdenoCA::S.24
.Syn.Stomach−AdenoCA::S.33
SP.Syn.Eso−AdenoCA::S.32
.Syn.Stomach−AdenoCA::S.29
.Syn.ColoRect−AdenoCA::S.19
SP.Syn.Eso−AdenoCA::S.72
SP.Syn.Skin−Melanoma::S.78
SP.Syn.Eso−AdenoCA::S.75
SP.Syn.Eso−AdenoCA::S.94
SP.Syn.Eso−AdenoCA::S.48
SP.Syn.Eso−AdenoCA::S.22
.Syn.ColoRect−AdenoCA::S.26
.Syn.ColoRect−AdenoCA::S.28
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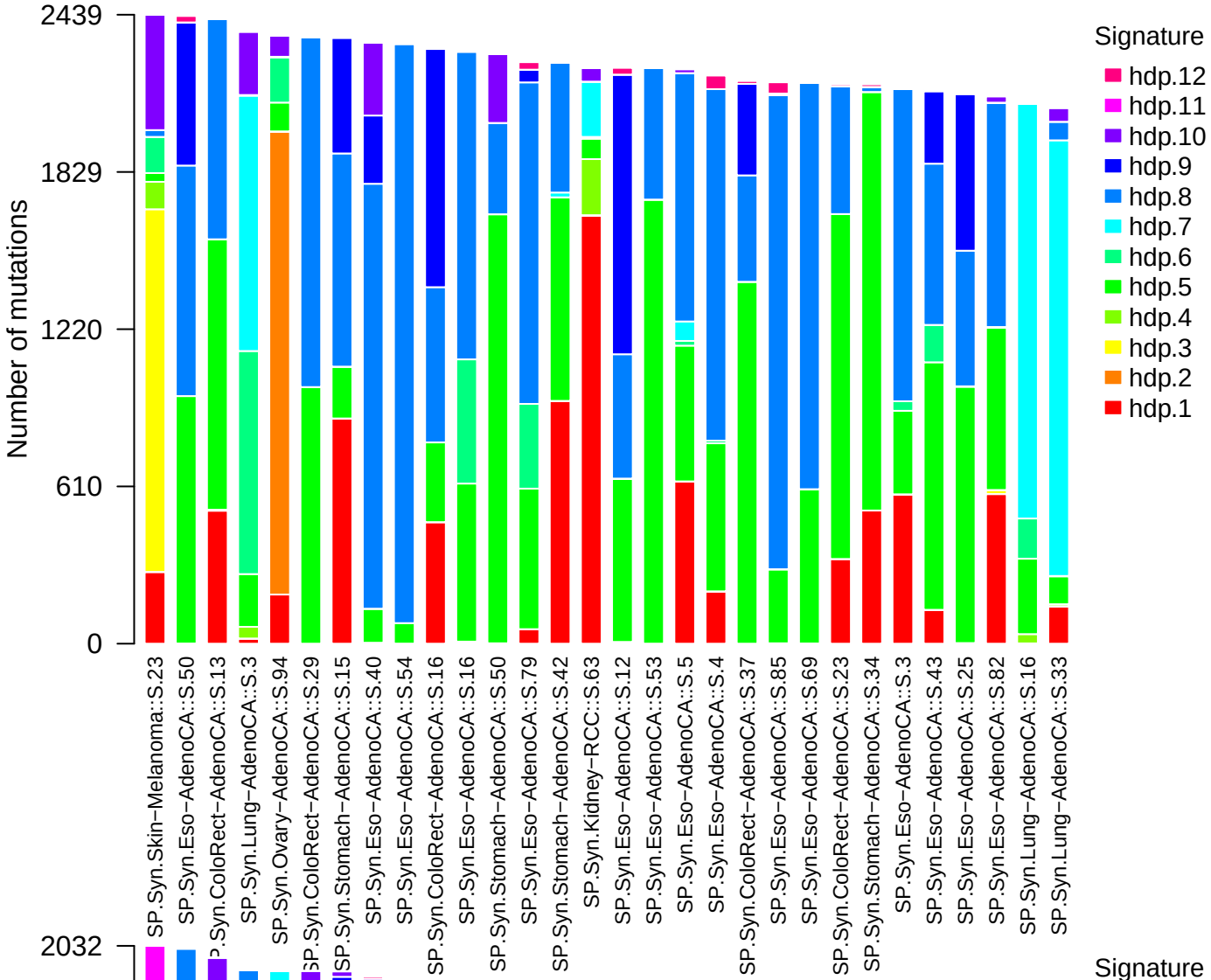
SP.Syn.Eso−AdenoCA::S.28
SP.Syn.Eso−AdenoCA::S.93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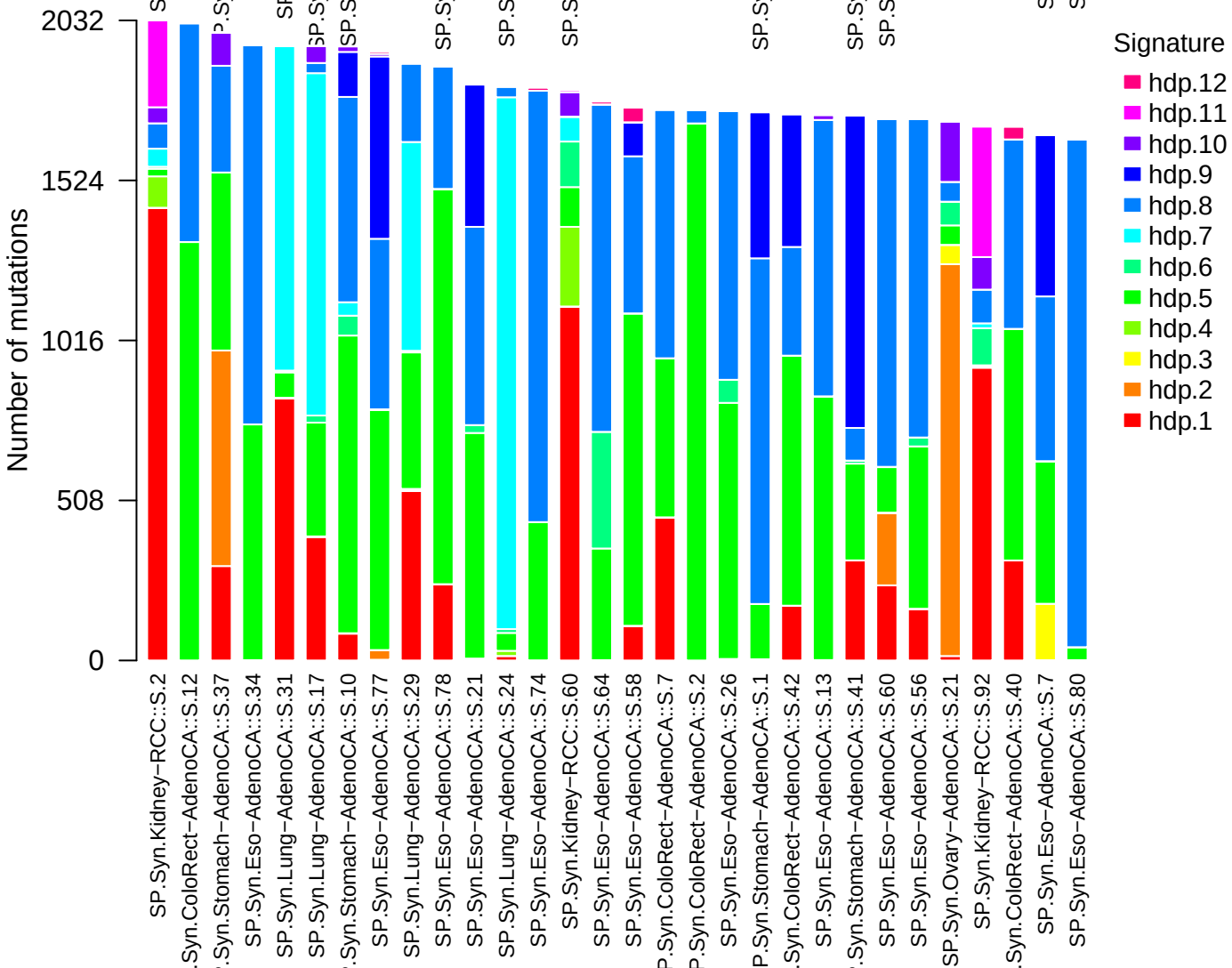
hdp.5
hdp.4
hdp.3
hdp.2
hdp.1
SP.Syn.Skin−Melanoma::S.23
SP.Syn.Eso−AdenoCA::S.50
SP.Syn.ColoRect−AdenoCA::S.13
SP.Syn.Lung−AdenoCA::S.3
SP.Syn.Ovary−AdenoCA::S.94
SP.Syn.ColoRect−AdenoCA::S.29
SP.Syn.Stomach−AdenoCA::S.15
SP.Syn.Eso−AdenoCA::S.40
SP.Syn.Eso−AdenoCA::S.54
SP.Syn.ColoRect−AdenoCA::S.16
SP.Syn.Eso−AdenoCA::S.16
SP.Syn.Stomach−AdenoCA::S.50
SP.Syn.Eso−AdenoCA::S.79
SP.Syn.Stomach−AdenoCA::S.42
SP.Syn.Kidney−RCC::S.63
SP.Syn.Eso−AdenoCA::S.12
SP.Syn.Eso−AdenoCA::S.53
SP.Syn.Eso−AdenoCA::S.5
SP.Syn.Eso−AdenoCA::S.4
SP.Syn.ColoRect−AdenoCA::S.37
SP.Syn.Eso−AdenoCA::S.85
SP.Syn.Eso−AdenoCA::S.69
SP.Syn.ColoRect−AdenoCA::S.23
SP.Syn.Stomach−AdenoCA::S.34
SP.Syn.Eso−AdenoCA::S.3
SP.Syn.Eso−AdenoCA::S.43
SP.Syn.Eso−AdenoCA::S.25
SP.Syn.Eso−AdenoCA::S.82
SP.Syn.Lung−AdenoCA::S.16
SP.Syn.Lung−AdenoCA::S.33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hdp.6
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hdp.4
hdp.3
hdp.2
hdp.1
SP.Syn.Kidney−RCC::S.2
SP.Syn.ColoRect−AdenoCA::S.12
SP.Syn.Stomach−AdenoCA::S.37
SP.Syn.Eso−AdenoCA::S.34
SP.Syn.Lung−AdenoCA::S.31
SP.Syn.Lung−AdenoCA::S.17
SP.Syn.Stomach−AdenoCA::S.10
SP.Syn.Eso−AdenoCA::S.77
SP.Syn.Lung−AdenoCA::S.29
SP.Syn.Eso−AdenoCA::S.78
SP.Syn.Eso−AdenoCA::S.21
SP.Syn.Lung−AdenoCA::S.24
SP.Syn.Eso−AdenoCA::S.74
SP.Syn.Kidney−RCC::S.60
SP.Syn.Eso−AdenoCA::S.64
SP.Syn.Eso−AdenoCA::S.58
SP.Syn.ColoRect−AdenoCA::S.7
SP.Syn.ColoRect−AdenoCA::S.2
SP.Syn.Eso−AdenoCA::S.26
SP.Syn.Stomach−AdenoCA::S.1
SP.Syn.ColoRect−AdenoCA::S.42
SP.Syn.Eso−AdenoCA::S.13
SP.Syn.Stomach−AdenoCA::S.41
SP.Syn.Eso−AdenoCA::S.60
SP.Syn.Eso−AdenoCA::S.56
SP.Syn.Ovary−AdenoCA::S.21
SP.Syn.Kidney−RCC::S.92
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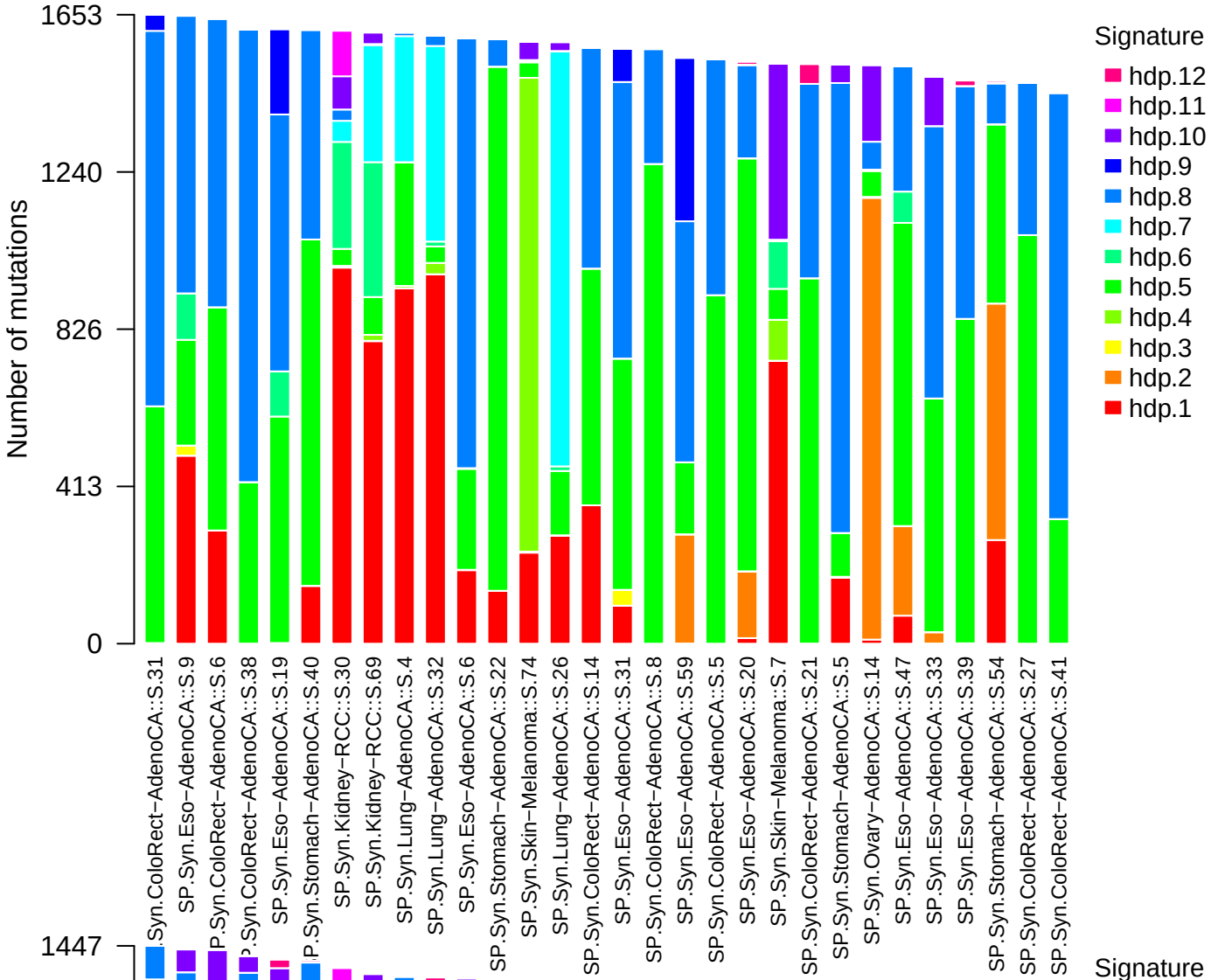
SP.Syn.Eso−AdenoCA::S.80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hdp.5
hdp.4
hdp.3
hdp.2
hdp.1
SP.Syn.ColoRect−AdenoCA::S.31
SP.Syn.Eso−AdenoCA::S.9
SP.Syn.ColoRect−AdenoCA::S.6
SP.Syn.ColoRect−AdenoCA::S.38
SP.Syn.Eso−AdenoCA::S.19
SP.Syn.Stomach−AdenoCA::S.40
SP.Syn.Kidney−RCC::S.30
SP.Syn.Kidney−RCC::S.69
SP.Syn.Lung−AdenoCA::S.4
SP.Syn.Lung−AdenoCA::S.32
SP.Syn.Eso−AdenoCA::S.6
SP.Syn.Stomach−AdenoCA::S.22
SP.Syn.Skin−Melanoma::S.74
SP.Syn.Lung−AdenoCA::S.26
SP.Syn.ColoRect−AdenoCA::S.14
SP.Syn.Eso−AdenoCA::S.31
SP.Syn.ColoRect−AdenoCA::S.8
SP.Syn.Eso−AdenoCA::S.59
SP.Syn.ColoRect−AdenoCA::S.5
SP.Syn.Eso−AdenoCA::S.20
SP.Syn.Skin−Melanoma::S.7
SP.Syn.ColoRect−AdenoCA::S.21
SP.Syn.Stomach−AdenoCA::S.5
SP.Syn.Ovary−AdenoCA::S.14
SP.Syn.Eso−AdenoCA::S.47
SP.Syn.Eso−AdenoCA::S.33
SP.Syn.Eso−AdenoCA::S.39
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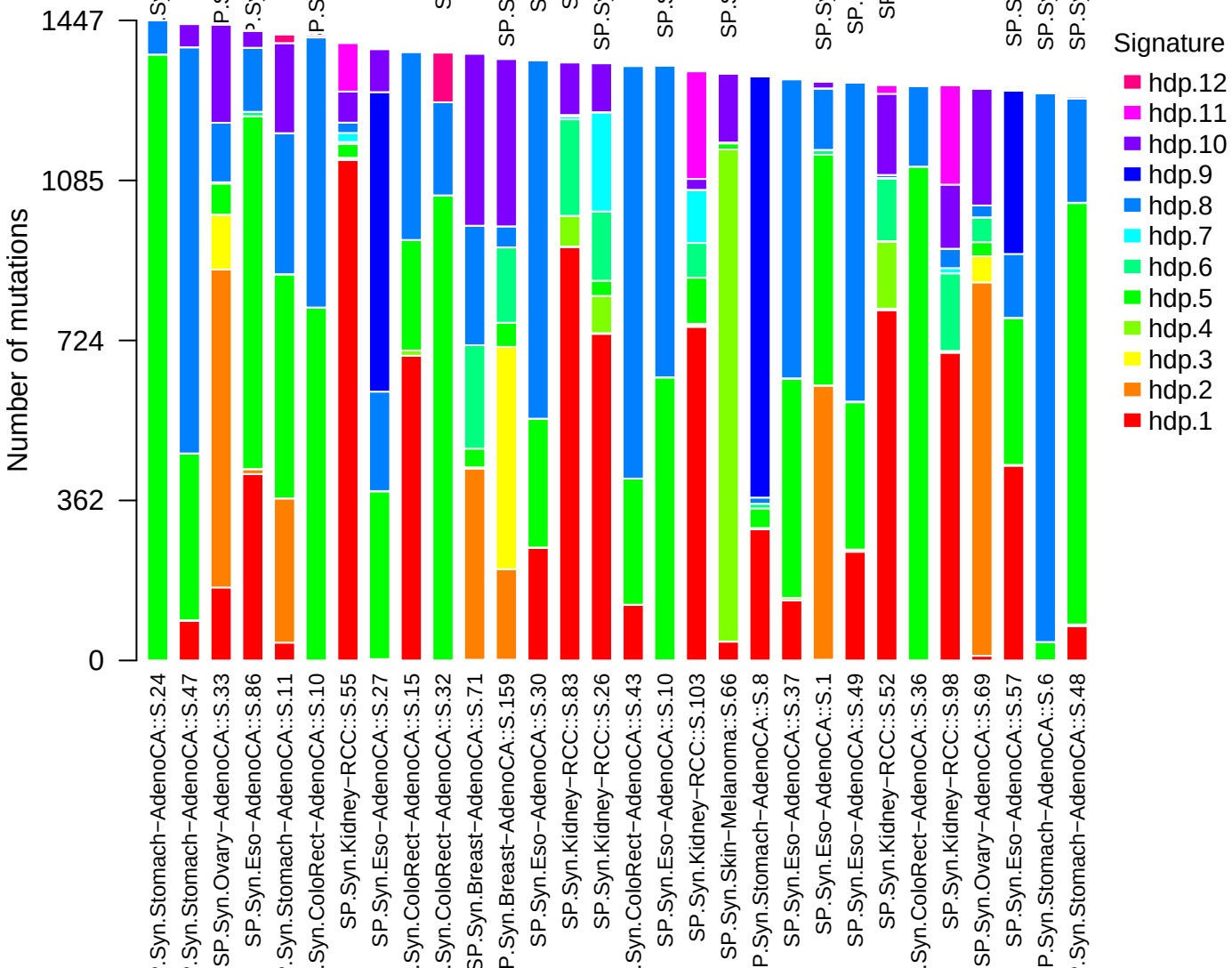
SP.Syn.ColoRect−AdenoCA::S.27
SP.Syn.ColoRect−AdenoCA::S.41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hdp.5
hdp.4
hdp.3
hdp.2
hdp.1
SP.Syn.Stomach−AdenoCA::S.24
SP.Syn.Stomach−AdenoCA::S.47
SP.Syn.Ovary−AdenoCA::S.33
SP.Syn.Eso−AdenoCA::S.86
SP.Syn.Stomach−AdenoCA::S.11
SP.Syn.ColoRect−AdenoCA::S.10
SP.Syn.Kidney−RCC::S.55
SP.Syn.Eso−AdenoCA::S.27
SP.Syn.ColoRect−AdenoCA::S.15
SP.Syn.ColoRect−AdenoCA::S.32
SP.Syn.Breast−AdenoCA::S.71
SP.Syn.Breast−AdenoCA::S.159
SP.Syn.Eso−AdenoCA::S.30
SP.Syn.Kidney−RCC::S.83
SP.Syn.Kidney−RCC::S.26
SP.Syn.ColoRect−AdenoCA::S.43
SP.Syn.Eso−AdenoCA::S.10
SP.Syn.Kidney−RCC::S.103
SP.Syn.Skin−Melanoma::S.66
SP.Syn.Stomach−AdenoCA::S.8
SP.Syn.Eso−AdenoCA::S.37
SP.Syn.Eso−AdenoCA::S.1
SP.Syn.Eso−AdenoCA::S.49
SP.Syn.Kidney−RCC::S.52
SP.Syn.ColoRect−AdenoCA::S.36
SP.Syn.Kidney−RCC::S.98
SP.Syn.Ovary−AdenoCA::S.69
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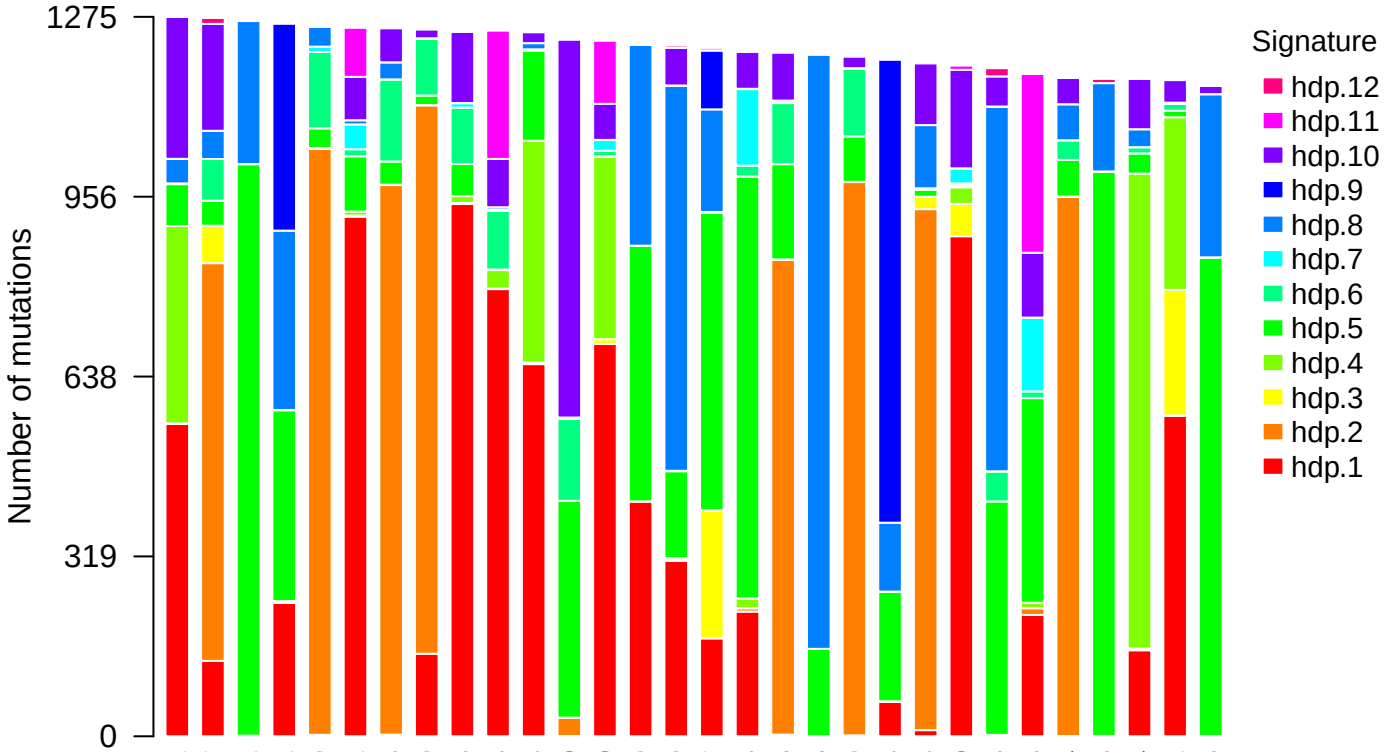
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hdp.4
hdp.3
hdp.2
hdp.1
SP.Syn.Skin−Melanoma::S.22
SP.Syn.Ovary−AdenoCA::S.77
P.Syn.ColoRect−AdenoCA::S.1
SP.Syn.Eso−AdenoCA::S.51
SP.Syn.Breast−AdenoCA::S.79
SP.Syn.Kidney−RCC::S.21
SP.Syn.Breast−AdenoCA::S.68
SP.Syn.Ovary−AdenoCA::S.29
SP.Syn.Kidney−RCC::S.16
SP.Syn.Kidney−RCC::S.88
SP.Syn.Skin−Melanoma::S.103
SP.Syn.Breast−AdenoCA::S.150
SP.Syn.Kidney−RCC::S.120
SP.Syn.ColoRect−AdenoCA::S.9
SP.Syn.Eso−AdenoCA::S.29
SP.Syn.Eso−AdenoCA::S.87
SP.Syn.Liver−HCC::S.173
SP.Syn.Ovary−AdenoCA::S.95
SP.Syn.ColoRect−AdenoCA::S.25
SP.Syn.Breast−AdenoCA::S.149
SP.Syn.Stomach−AdenoCA::S.23
SP.Syn.Ovary−AdenoCA::S.73
SP.Syn.Kidney−RCC::S.110
SP.Syn.Eso−AdenoCA::S.76
SP.Syn.Liver−HCC::S.168
SP.Syn.Breast−AdenoCA::S.164
SP.Syn.Eso−AdenoCA::S.66
SP.Syn.Skin−Melanoma::S.44
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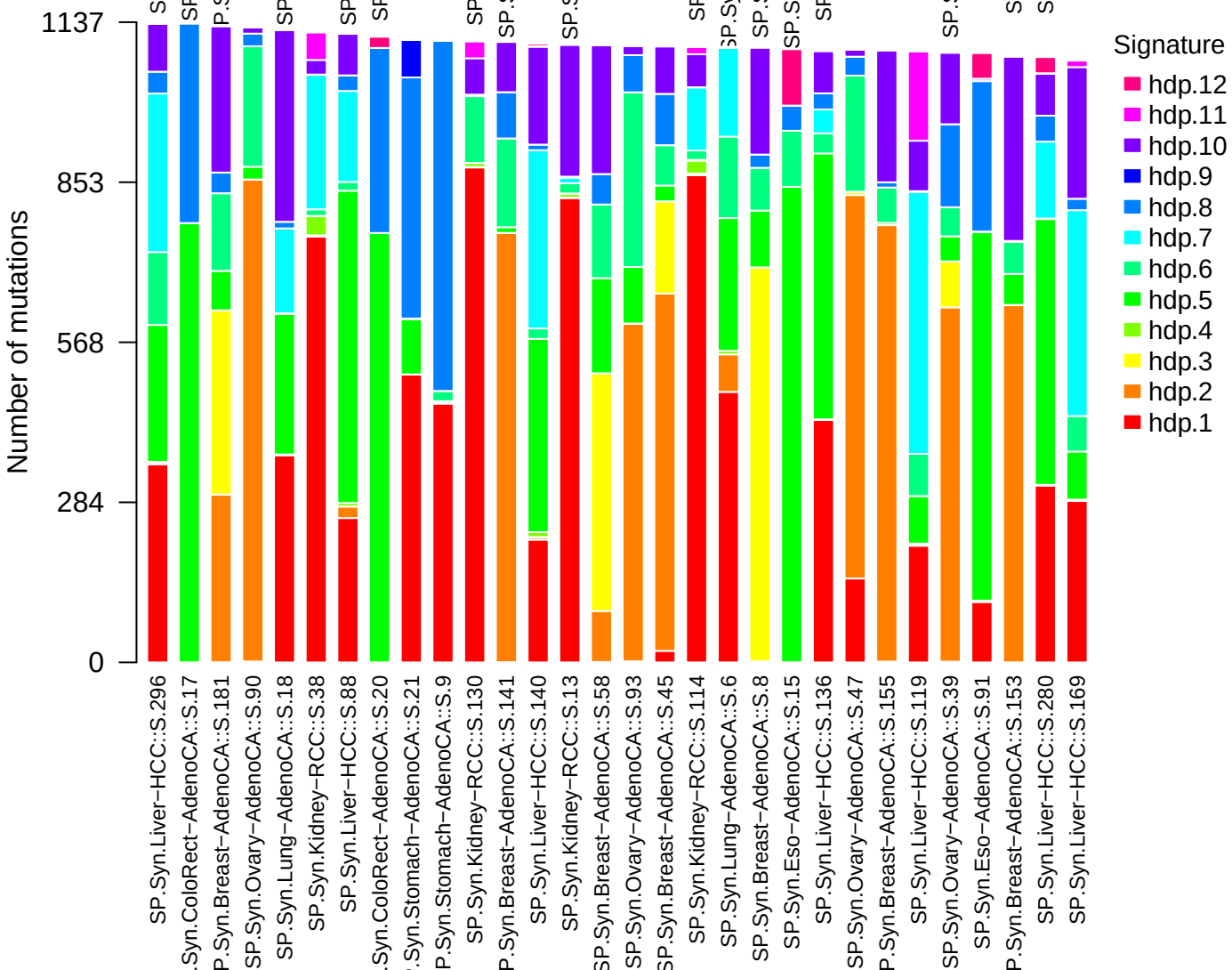
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hdp.4
hdp.3
hdp.2
hdp.1
SP.Syn.Liver−HCC::S.296
.Syn.ColoRect−AdenoCA::S.17
P.Syn.Breast−AdenoCA::S.181
SP.Syn.Ovary−AdenoCA::S.90
SP.Syn.Lung−AdenoCA::S.18
SP.Syn.Kidney−RCC::S.38
SP.Syn.Liver−HCC::S.88
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.Syn.Stomach−AdenoCA::S.21
P.Syn.Stomach−AdenoCA::S.9
SP.Syn.Kidney−RCC::S.130
P.Syn.Breast−AdenoCA::S.141
SP.Syn.Liver−HCC::S.140
SP.Syn.Kidney−RCC::S.13
SP.Syn.Breast−AdenoCA::S.58
SP.Syn.Ovary−AdenoCA::S.93
SP.Syn.Breast−AdenoCA::S.45
SP.Syn.Kidney−RCC::S.114
SP.Syn.Lung−AdenoCA::S.6
SP.Syn.Breast−AdenoCA::S.8
SP.Syn.Eso−AdenoCA::S.15
SP.Syn.Liver−HCC::S.136
SP.Syn.Ovary−AdenoCA::S.47
P.Syn.Breast−AdenoCA::S.155
SP.Syn.Liver−HCC::S.119
SP.Syn.Ovary−AdenoCA::S.39
SP.Syn.Eso−AdenoCA::S.91
P.Syn.Breast−AdenoCA::S.153
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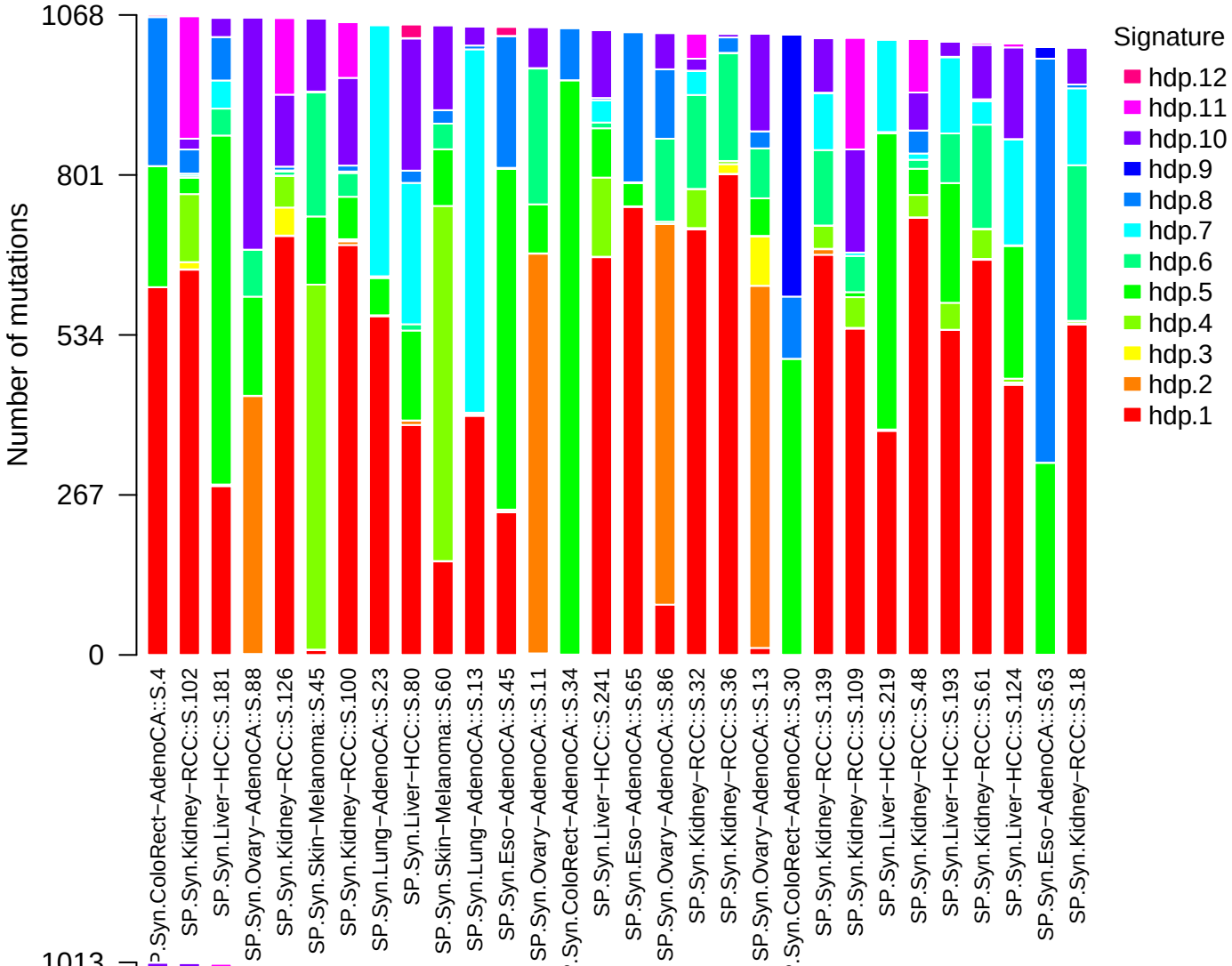
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SP.Syn.Kidney−RCC::S.126
SP.Syn.Skin−Melanoma::S.45
SP.Syn.Kidney−RCC::S.100
SP.Syn.Lung−AdenoCA::S.23
SP.Syn.Liver−HCC::S.80
SP.Syn.Skin−Melanoma::S.60
SP.Syn.Lung−AdenoCA::S.13
SP.Syn.Eso−AdenoCA::S.45
SP.Syn.Ovary−AdenoCA::S.11
SP.Syn.ColoRect−AdenoCA::S.34
SP.Syn.Liver−HCC::S.241
SP.Syn.Eso−AdenoCA::S.65
SP.Syn.Ovary−AdenoCA::S.86
SP.Syn.Kidney−RCC::S.32
SP.Syn.Kidney−RCC::S.36
SP.Syn.Ovary−AdenoCA::S.13
SP.Syn.ColoRect−AdenoCA::S.30
SP.Syn.Kidney−RCC::S.139
SP.Syn.Kidney−RCC::S.109
SP.Syn.Liver−HCC::S.219
SP.Syn.Kidney−RCC::S.48
SP.Syn.Liver−HCC::S.193
SP.Syn.Kidney−RCC::S.61
SP.Syn.Liver−HCC::S.124
SP.Syn.Eso−AdenoCA::S.63
SP.Syn.Kidney−RCC::S.18
Signature
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hdp.11
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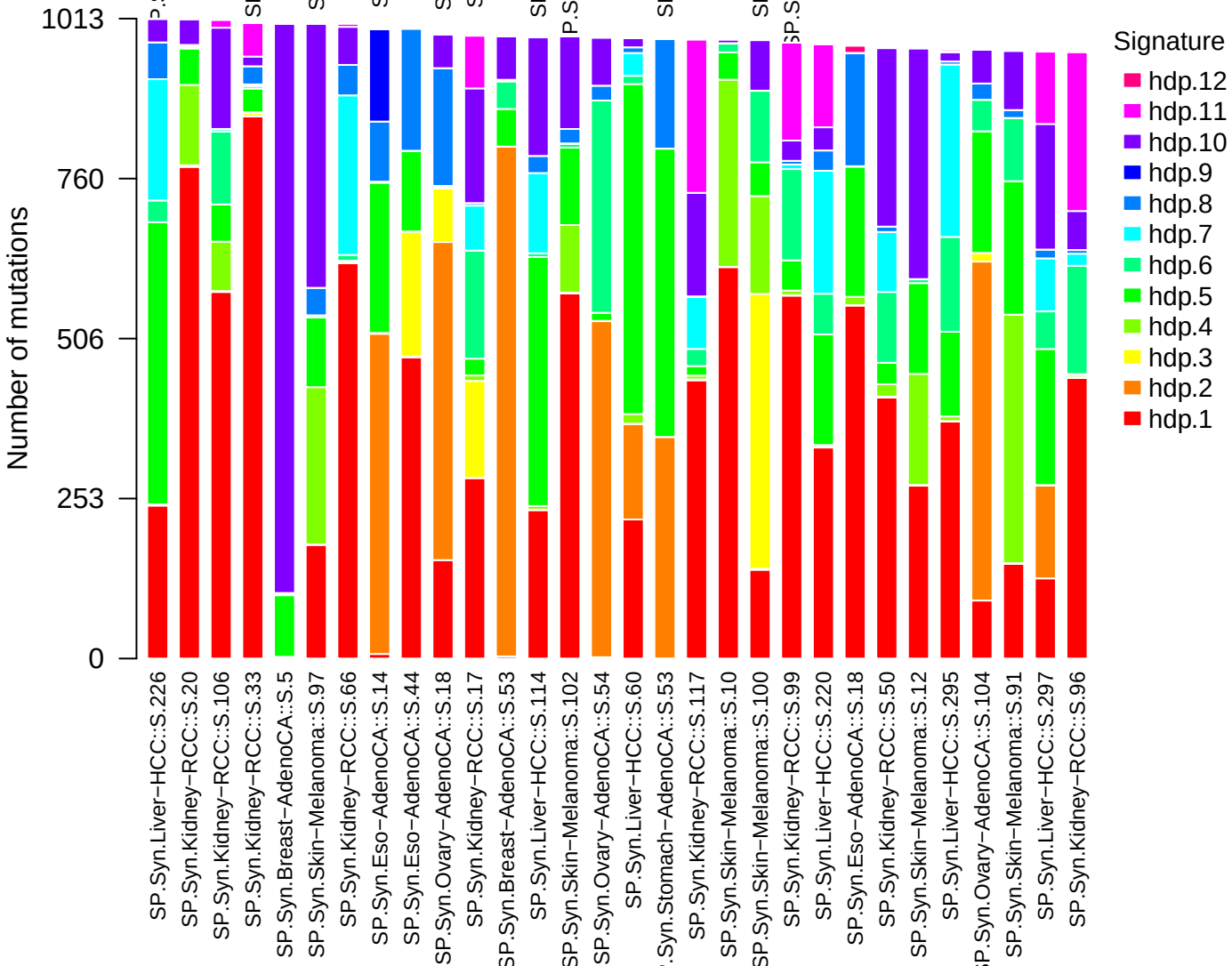
hdp.4
hdp.3
hdp.2
hdp.1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SP.Syn.Kidney−RCC::S.33
SP.Syn.Breast−AdenoCA::S.5
SP.Syn.Skin−Melanoma::S.97
SP.Syn.Kidney−RCC::S.66
SP.Syn.Eso−AdenoCA::S.14
SP.Syn.Eso−AdenoCA::S.44
SP.Syn.Ovary−AdenoCA::S.18
SP.Syn.Kidney−RCC::S.17
SP.Syn.Breast−AdenoCA::S.53
SP.Syn.Liver−HCC::S.114
SP.Syn.Skin−Melanoma::S.102
SP.Syn.Ovary−AdenoCA::S.54
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SP.Syn.Stomach−AdenoCA::S.53
SP.Syn.Kidney−RCC::S.117
SP.Syn.Skin−Melanoma::S.10
SP.Syn.Skin−Melanoma::S.100
SP.Syn.Kidney−RCC::S.99
SP.Syn.Liver−HCC::S.220
SP.Syn.Eso−AdenoCA::S.18
SP.Syn.Kidney−RCC::S.50
SP.Syn.Skin−Melanoma::S.12
SP.Syn.Liver−HCC::S.295
SP.Syn.Ovary−AdenoCA::S.104
SP.Syn.Skin−Melanoma::S.91
SP.Syn.Liver−HCC::S.297
SP.Syn.Kidney−RCC::S.96
Signature
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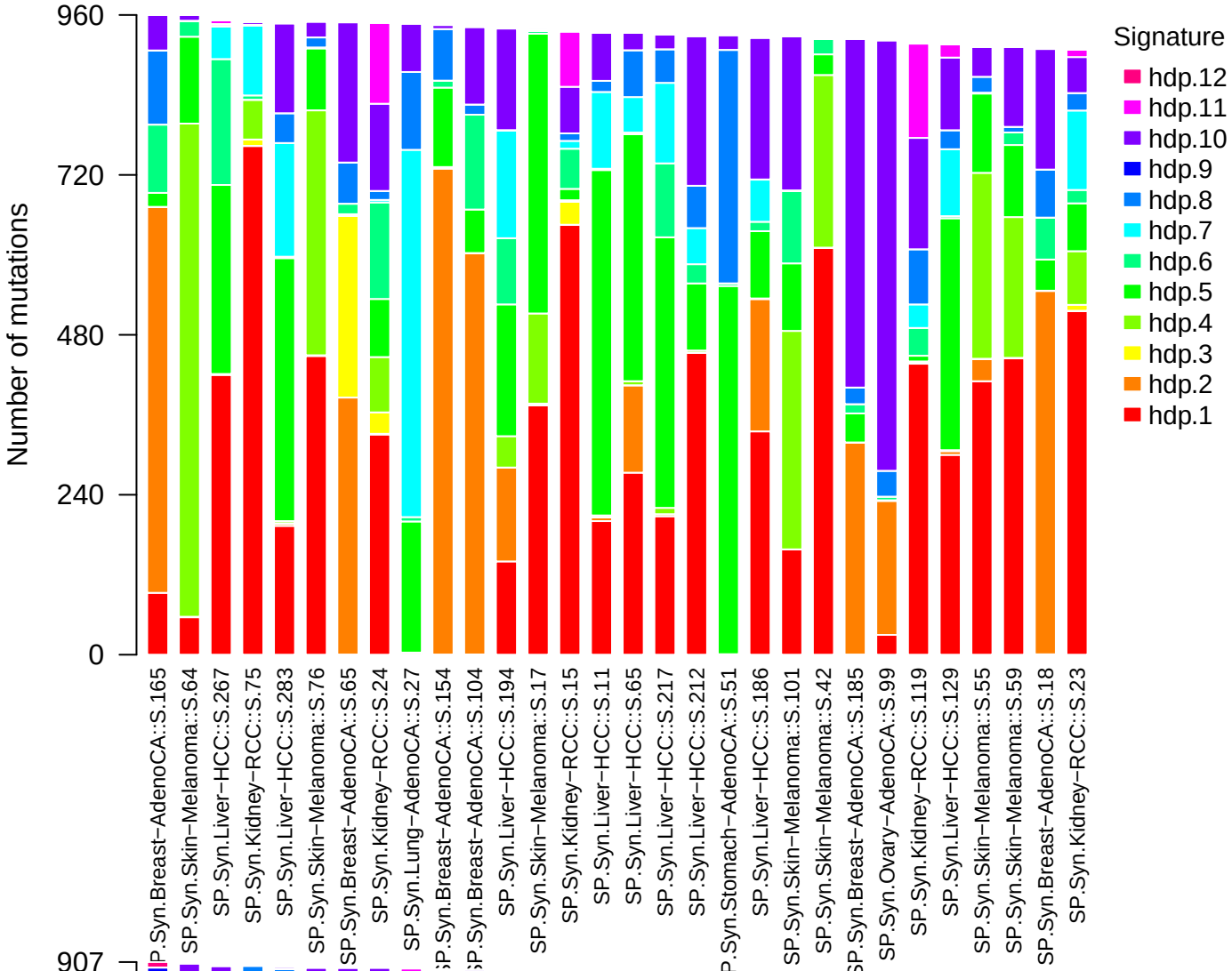
hdp.1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hdp.2
hdp.1
SP.Syn.Breast−AdenoCA::S.165
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SP.Syn.Skin−Melanoma::S.76
SP.Syn.Breast−AdenoCA::S.65
SP.Syn.Kidney−RCC::S.24
SP.Syn.Lung−AdenoCA::S.27
SP.Syn.Breast−AdenoCA::S.154
SP.Syn.Breast−AdenoCA::S.104
SP.Syn.Liver−HCC::S.194
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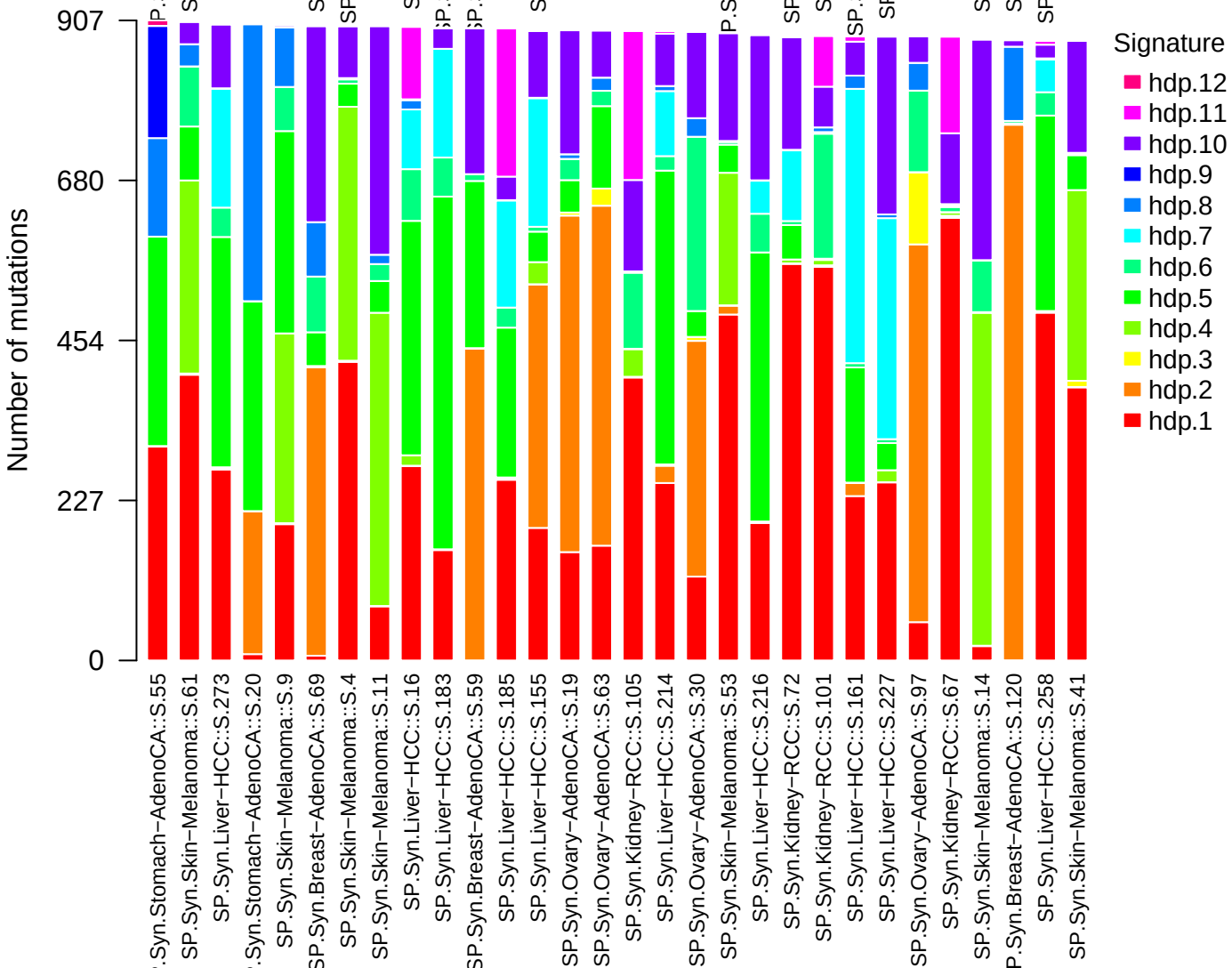
SP.Syn.Liver−HCC::S.217
SP.Syn.Liver−HCC::S.212
SP.Syn.Stomach−AdenoCA::S.51
SP.Syn.Liver−HCC::S.186
SP.Syn.Skin−Melanoma::S.101
SP.Syn.Skin−Melanoma::S.42
SP.Syn.Breast−AdenoCA::S.185
SP.Syn.Ovary−AdenoCA::S.99
SP.Syn.Kidney−RCC::S.119
SP.Syn.Liver−HCC::S.129
SP.Syn.Skin−Melanoma::S.55
SP.Syn.Skin−Melanoma::S.59
SP.Syn.Breast−AdenoCA::S.18
SP.Syn.Kidney−RCC::S.23


Number of mutations
907
680
454
227
0
Signature
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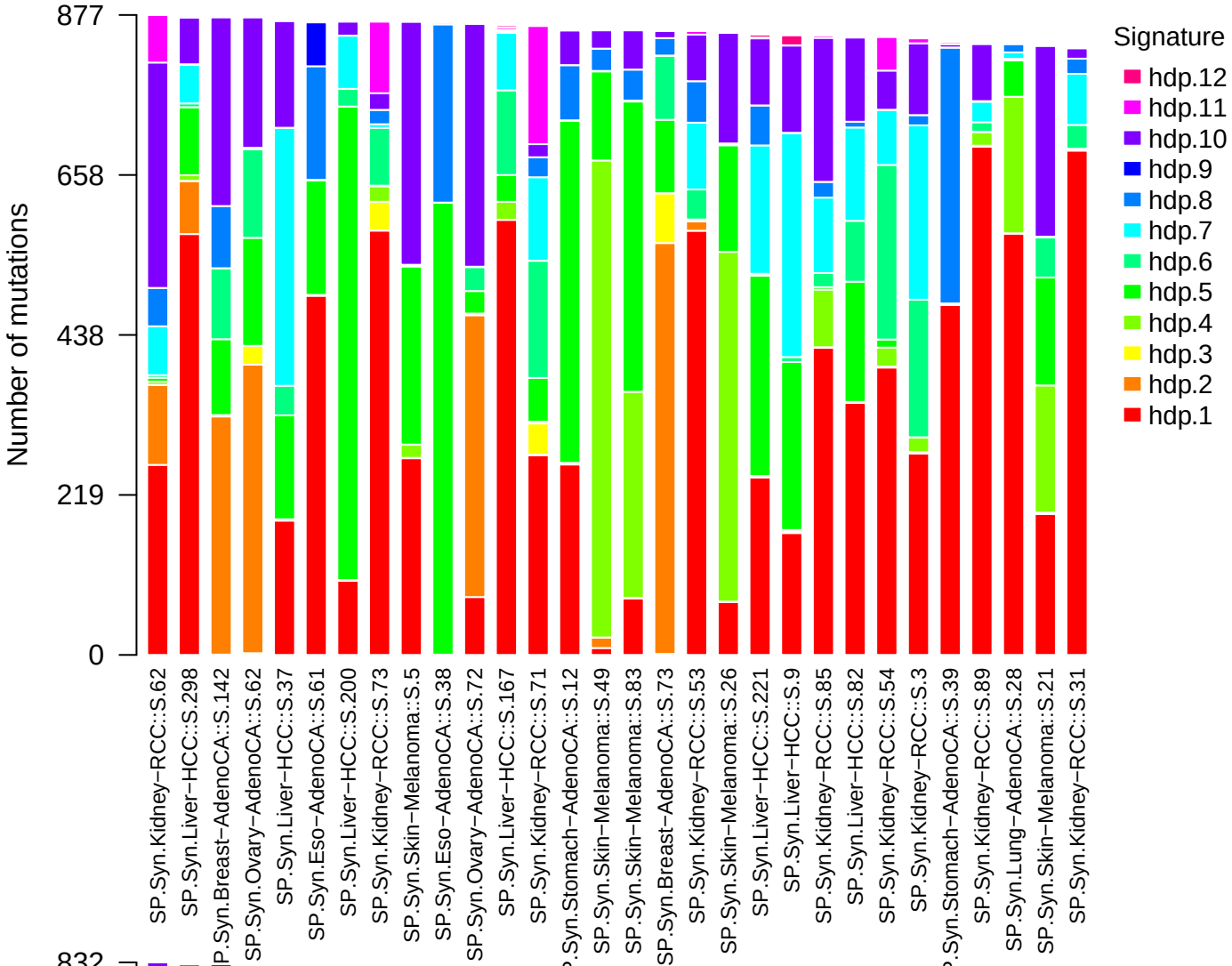
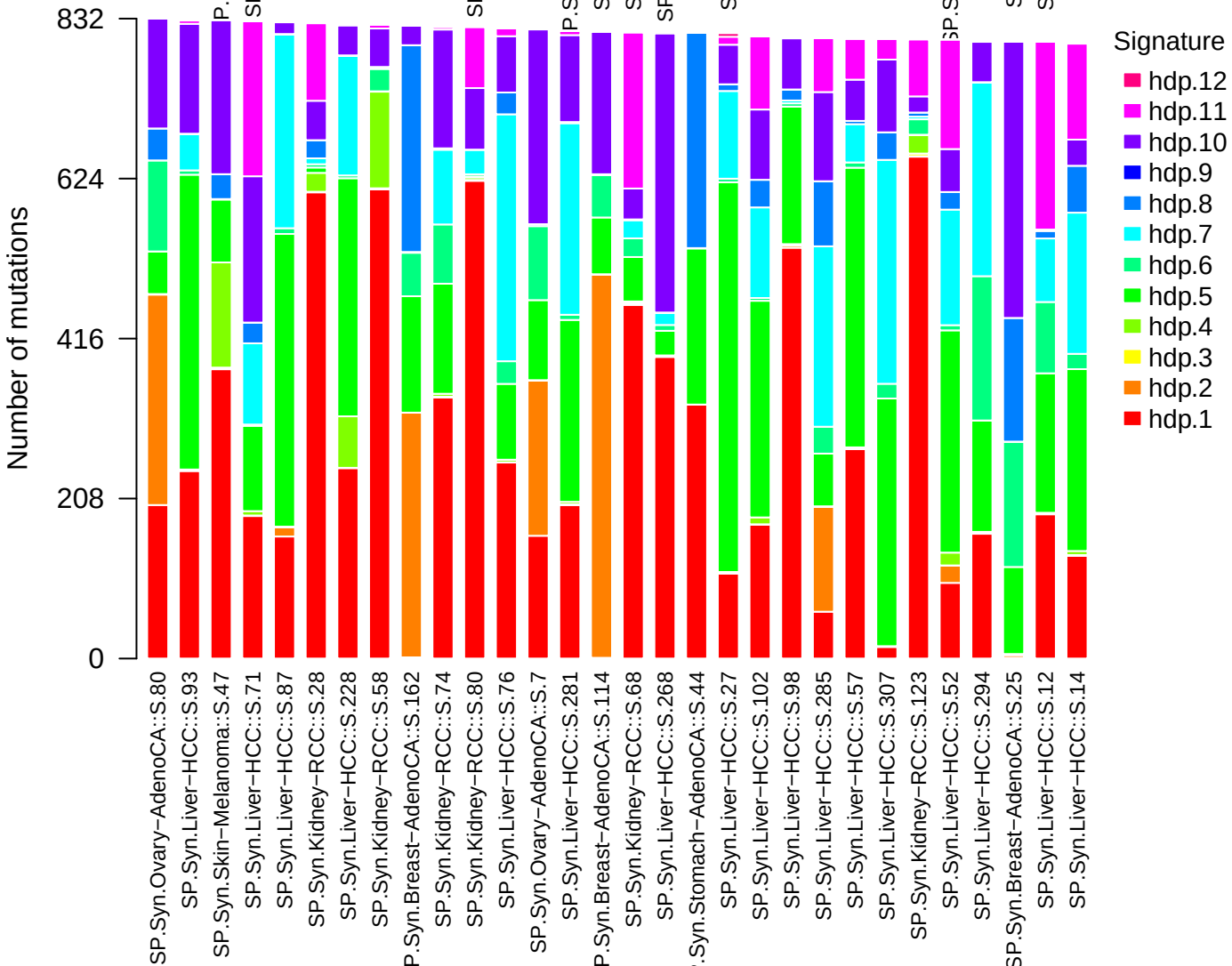
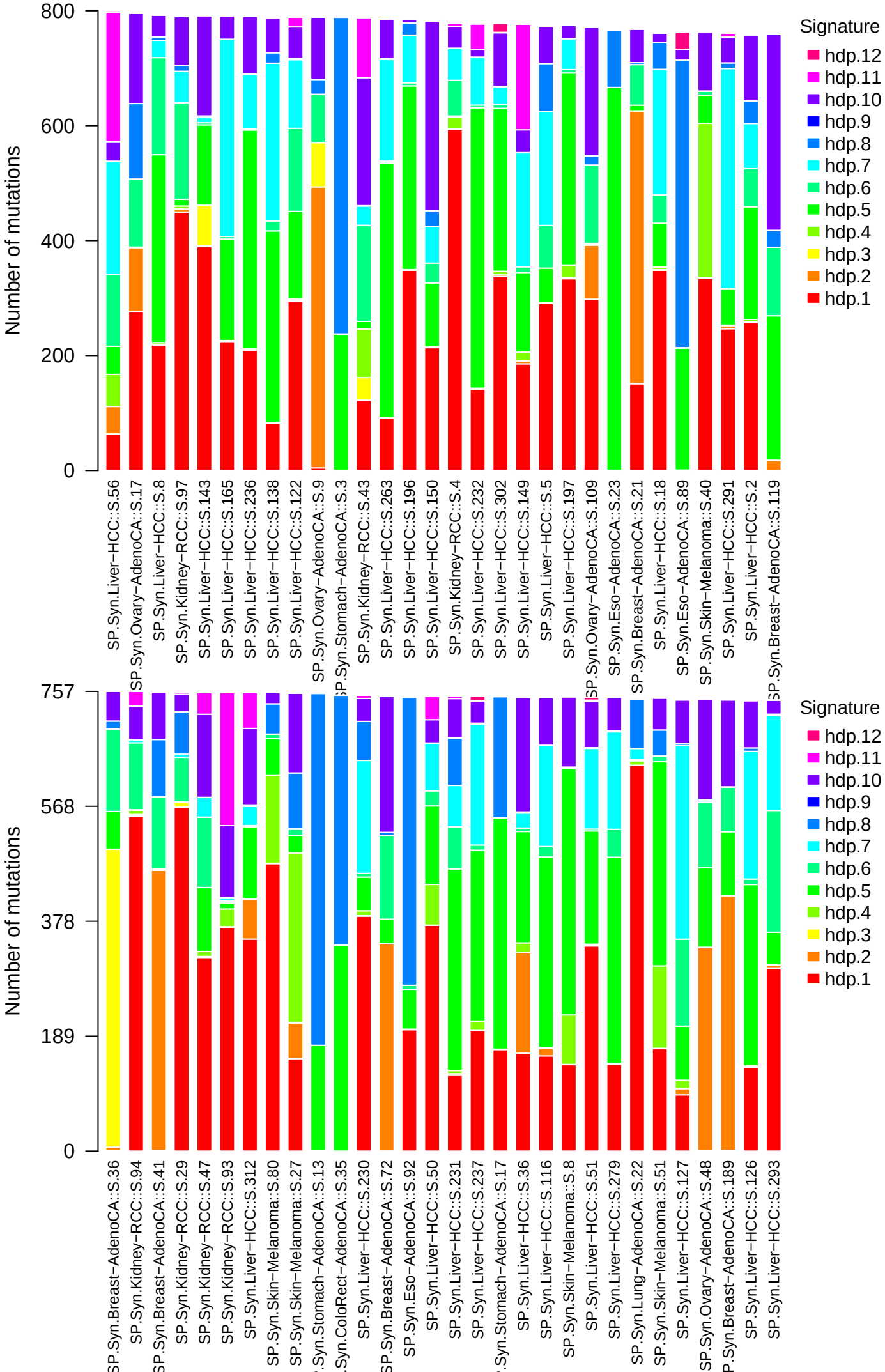
hdp.11
hdp.10
hdp.9
hdp.8
hdp.7
hdp.6
hdp.5
hdp.4
hdp.3
hdp.2
hdp.1
SP.Syn.Stomach−AdenoCA::S.55
SP.Syn.Skin−Melanoma::S.61
SP.Syn.Liver−HCC::S.273
SP.Syn.Stomach−AdenoCA::S.20
SP.Syn.Skin−Melanoma::S.9
SP.Syn.Breast−AdenoCA::S.69
SP.Syn.Skin−Melanoma::S.4
SP.Syn.Skin−Melanoma::S.11
SP.Syn.Liver−HCC::S.16
SP.Syn.Liver−HCC::S.183
SP.Syn.Breast−AdenoCA::S.59
SP.Syn.Liver−HCC::S.185
SP.Syn.Liver−HCC::S.155
SP.Syn.Ovary−AdenoCA::S.19
SP.Syn.Ovary−AdenoCA::S.63
SP.Syn.Kidney−RCC::S.105
SP.Syn.Liver−HCC::S.214
SP.Syn.Ovary−AdenoCA::S.30
SP.Syn.Skin−Melanoma::S.53
SP.Syn.Liver−HCC::S.216
SP.Syn.Kidney−RCC::S.72
SP.Syn.Kidney−RCC::S.101
SP.Syn.Liver−HCC::S.161
SP.Syn.Liver−HCC::S.227
SP.Syn.Ovary−AdenoCA::S.97
SP.Syn.Kidney−RCC::S.67
SP.Syn.Skin−Melanoma::S.14
SP.Syn.Breast−AdenoCA::S.120
SP.Syn.Liver−HCC::S.258
SP.Syn.Skin−Melanoma::S.41


Number of mutations
877
658
438
219
0
SP.Syn.Kidney−RCC::S.62
SP.Syn.Liver−HCC::S.298
P.Syn.Breast−AdenoCA::S.142
SP.Syn.Ovary−AdenoCA::S.62
SP.Syn.Liver−HCC::S.37
SP.Syn.Eso−AdenoCA::S.61
SP.Syn.Liver−HCC::S.200
SP.Syn.Kidney−RCC::S.73
SP.Syn.Skin−Melanoma::S.5
SP.Syn.Eso−AdenoCA::S.38
SP.Syn.Ovary−AdenoCA::S.72
SP.Syn.Liver−HCC::S.167
SP.Syn.Kidney−RCC::S.71
P.Syn.Stomach−AdenoCA::S.12
SP.Syn.Skin−Melanoma::S.49
SP.Syn.Skin−Melanoma::S.83
SP.Syn.Breast−AdenoCA::S.73
SP.Syn.Kidney−RCC::S.53
SP.Syn.Skin−Melanoma::S.26
SP.Syn.Liver−HCC::S.221
SP.Syn.Liver−HCC::S.9
SP.Syn.Kidney−RCC::S.85
SP.Syn.Liver−HCC::S.82
SP.Syn.Kidney−RCC::S.54
SP.Syn.Kidney−RCC::S.3
SP.Syn.Stomach−AdenoCA::S.39
SP.Syn.Kidney−RCC::S.89
SP.Syn.Lung−AdenoCA::S.28
SP.Syn.Skin−Melanoma::S.21
SP.Syn.Kidney−RCC::S.31
Signature
hdp.12
hdp.11
hdp.10
hdp.9
hdp.8
hdp.7
hdp.6
hdp.5
hdp.4
hdp.3
hdp.2
hdp.1


Number of mutations
832
624
416
208
0
SP.Syn.Ovary−AdenoCA::S.80
SP.Syn.Liver−HCC::S.93
SP.Syn.Skin−Melanoma::S.47
SP.Syn.Liver−HCC::S.71
SP.Syn.Liver−HCC::S.87
SP.Syn.Kidney−RCC::S.28
SP.Syn.Liver−HCC::S.228
SP.Syn.Kidney−RCC::S.58
P.Syn.Breast−AdenoCA::S.162
SP.Syn.Kidney−RCC::S.74
SP.Syn.Kidney−RCC::S.80
SP.Syn.Liver−HCC::S.76
SP.Syn.Ovary−AdenoCA::S.7
SP.Syn.Liver−HCC::S.281
P.Syn.Breast−AdenoCA::S.114
SP.Syn.Kidney−RCC::S.68
SP.Syn.Liver−HCC::S.268
.Syn.Stomach−AdenoCA::S.44
SP.Syn.Liver−HCC::S.27
SP.Syn.Liver−HCC::S.102
SP.Syn.Liver−HCC::S.98
SP.Syn.Liver−HCC::S.285
SP.Syn.Liver−HCC::S.57
SP.Syn.Liver−HCC::S.307
SP.Syn.Kidney−RCC::S.123
SP.Syn.Liver−HCC::S.52
SP.Syn.Liver−HCC::S.294
SP.Syn.Breast−AdenoCA::S.25
SP.Syn.Liver−HCC::S.12
SP.Syn.Liver−HCC::S.14
Signature
hdp.12
hdp.11
hdp.10
hdp.9
hdp.8
hdp.7
hdp.6
hdp.5
hdp.4
hdp.3
hdp.2
hdp.1


Number of mutations
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600
400
200
0
Signature
hdp.12
hdp.11
hdp.10
hdp.9
hdp.8
hdp.7
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hdp.5
hdp.4
hdp.3
hdp.2
hdp.1
SP.Syn.Liver−HCC::S.56
SP.Syn.Ovary−AdenoCA::S.17
SP.Syn.Liver−HCC::S.8
SP.Syn.Kidney−RCC::S.97
SP.Syn.Liver−HCC::S.143
SP.Syn.Liver−HCC::S.165
SP.Syn.Liver−HCC::S.236
SP.Syn.Liver−HCC::S.138
SP.Syn.Liver−HCC::S.122
SP.Syn.Ovary−AdenoCA::S.9
SP.Syn.Stomach−AdenoCA::S.3
SP.Syn.Kidney−RCC::S.43
SP.Syn.Liver−HCC::S.263
SP.Syn.Liver−HCC::S.196
SP.Syn.Liver−HCC::S.150
SP.Syn.Kidney−RCC::S.4
SP.Syn.Liver−HCC::S.232
SP.Syn.Liver−HCC::S.302
SP.Syn.Liver−HCC::S.149
SP.Syn.Liver−HCC::S.5
SP.Syn.Liver−HCC::S.197
SP.Syn.Ovary−AdenoCA::S.109
SP.Syn.Eso−AdenoCA::S.23
SP.Syn.Breast−AdenoCA::S.21
SP.Syn.Liver−HCC::S.18
SP.Syn.Eso−AdenoCA::S.89
SP.Syn.Skin−Melanoma::S.40
SP.Syn.Liver−HCC::S.291
SP.Syn.Liver−HCC::S.2
SP.Syn.Breast−AdenoCA::S.119
Number of mutations
757
568
378
189
0
Signature
hdp.12
hdp.11
hdp.10
hdp.9
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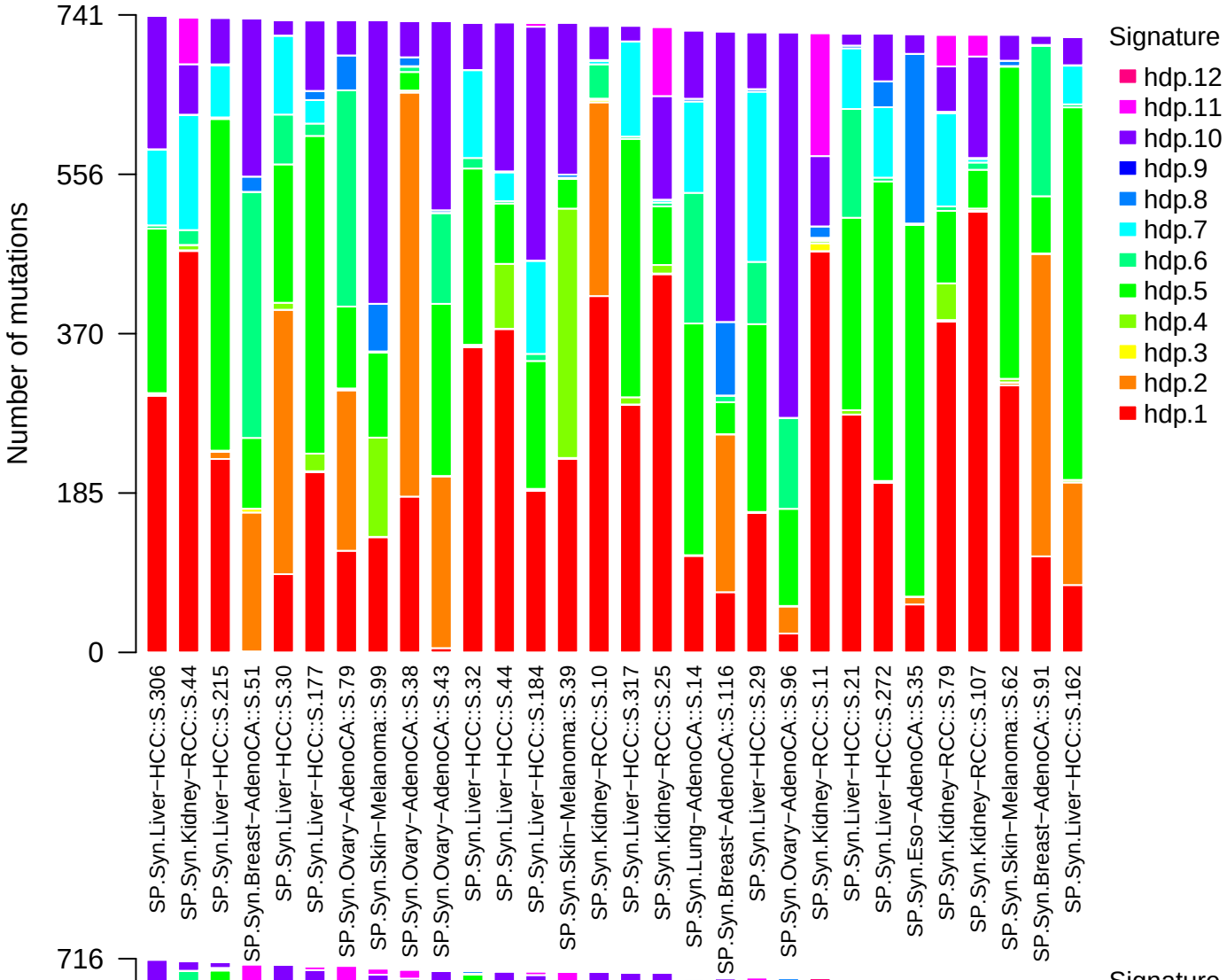
hdp.5
hdp.4
hdp.3
hdp.2
hdp.1
SP.Syn.Breast−AdenoCA::S.36
SP.Syn.Kidney−RCC::S.94
SP.Syn.Breast−AdenoCA::S.41
SP.Syn.Kidney−RCC::S.29
SP.Syn.Kidney−RCC::S.47
SP.Syn.Kidney−RCC::S.93
SP.Syn.Liver−HCC::S.312
SP.Syn.Skin−Melanoma::S.80
SP.Syn.Skin−Melanoma::S.27
SP.Syn.Stomach−AdenoCA::S.13
SP.Syn.ColoRect−AdenoCA::S.35
SP.Syn.Liver−HCC::S.230
SP.Syn.Breast−AdenoCA::S.72
SP.Syn.Eso−AdenoCA::S.92
SP.Syn.Liver−HCC::S.50
SP.Syn.Liver−HCC::S.231
SP.Syn.Liver−HCC::S.237
SP.Syn.Stomach−AdenoCA::S.17
SP.Syn.Liver−HCC::S.36
SP.Syn.Liver−HCC::S.116
SP.Syn.Skin−Melanoma::S.8
SP.Syn.Liver−HCC::S.51
SP.Syn.Liver−HCC::S.279
SP.Syn.Lung−AdenoCA::S.22
SP.Syn.Skin−Melanoma::S.51
SP.Syn.Liver−HCC::S.127
SP.Syn.Ovary−AdenoCA::S.48
SP.Syn.Breast−AdenoCA::S.189
SP.Syn.Liver−HCC::S.126
SP.Syn.Liver−HCC::S.293


Number of mutations
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556
370
185
0
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SP.Syn.Kidney−RCC::S.44
SP.Syn.Liver−HCC::S.215
SP.Syn.Breast−AdenoCA::S.51
SP.Syn.Liver−HCC::S.30
SP.Syn.Liver−HCC::S.177
SP.Syn.Ovary−AdenoCA::S.79
SP.Syn.Skin−Melanoma::S.99
SP.Syn.Ovary−AdenoCA::S.38
SP.Syn.Ovary−AdenoCA::S.43
SP.Syn.Liver−HCC::S.32
SP.Syn.Liver−HCC::S.44
SP.Syn.Liver−HCC::S.184
SP.Syn.Skin−Melanoma::S.39
SP.Syn.Kidney−RCC::S.10
SP.Syn.Liver−HCC::S.317
SP.Syn.Kidney−RCC::S.25
SP.Syn.Lung−AdenoCA::S.14
SP.Syn.Breast−AdenoCA::S.116
SP.Syn.Liver−HCC::S.29
SP.Syn.Ovary−AdenoCA::S.96
SP.Syn.Kidney−RCC::S.11
SP.Syn.Liver−HCC::S.21
SP.Syn.Liver−HCC::S.272
SP.Syn.Eso−AdenoCA::S.35
SP.Syn.Kidney−RCC::S.79
SP.Syn.Kidney−RCC::S.107
SP.Syn.Skin−Melanoma::S.62
SP.Syn.Breast−AdenoCA::S.91
SP.Syn.Liver−HCC::S.162
Signature
hdp.12
hdp.11
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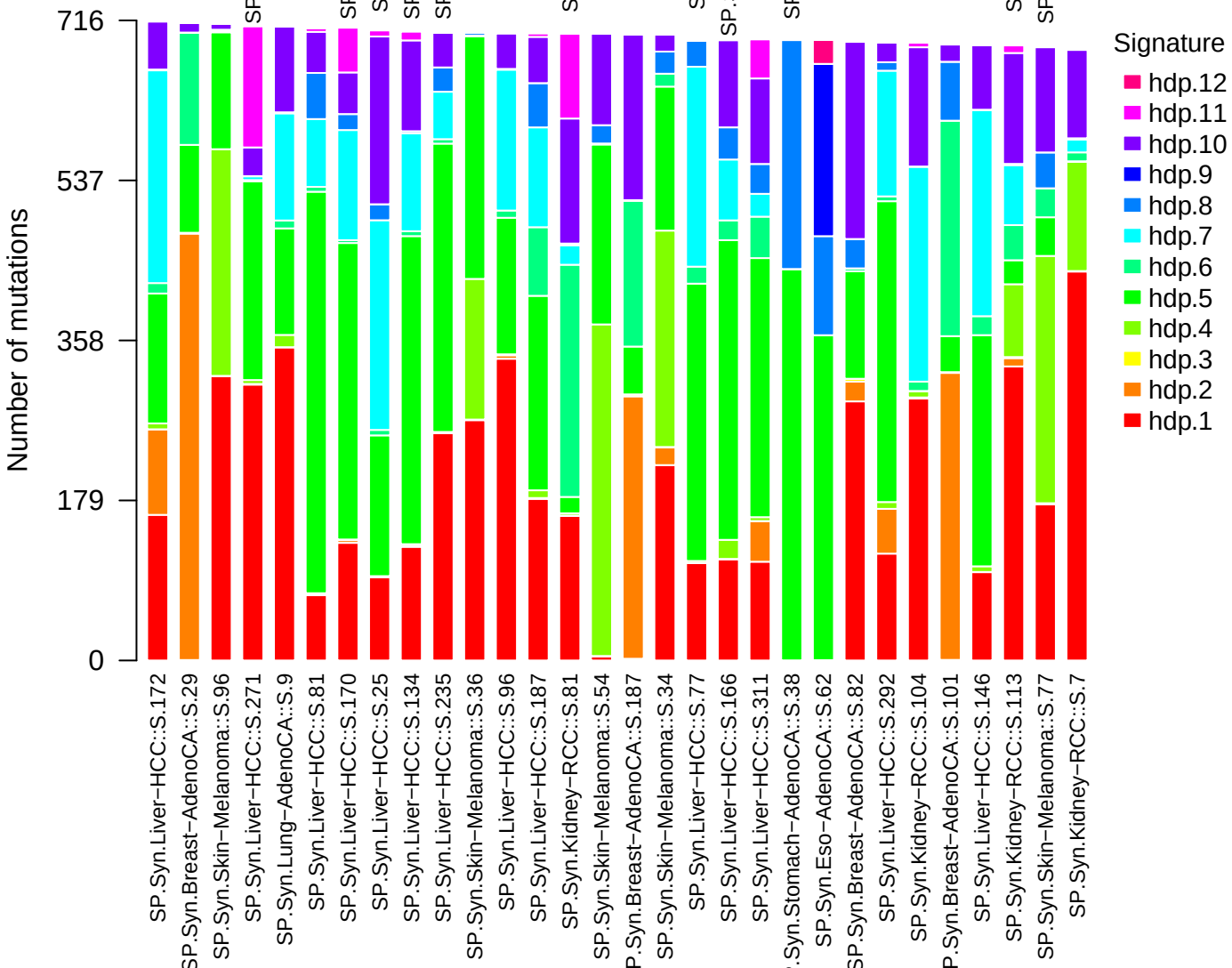
hdp.7
hdp.6
hdp.5
hdp.4
hdp.3
hdp.2
hdp.1


Number of mutations
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537
358
179
0
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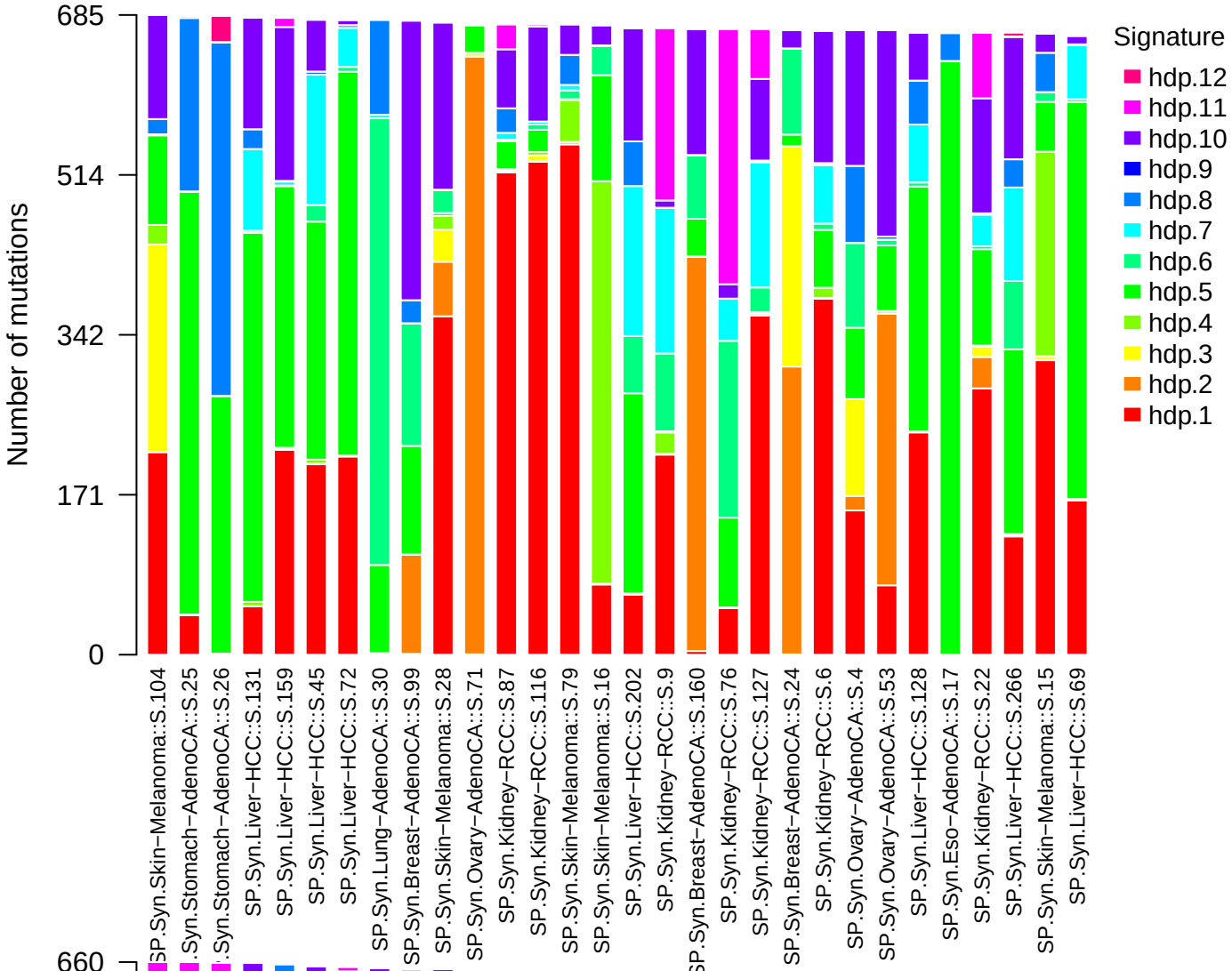
SP.Syn.Breast−AdenoCA::S.29
SP.Syn.Skin−Melanoma::S.96
SP.Syn.Liver−HCC::S.271
SP.Syn.Lung−AdenoCA::S.9
SP.Syn.Liver−HCC::S.81
SP.Syn.Liver−HCC::S.170
SP.Syn.Liver−HCC::S.25
SP.Syn.Liver−HCC::S.134
SP.Syn.Liver−HCC::S.235
SP.Syn.Skin−Melanoma::S.36
SP.Syn.Liver−HCC::S.96
SP.Syn.Liver−HCC::S.187
SP.Syn.Kidney−RCC::S.81
SP.Syn.Skin−Melanoma::S.54
SP.Syn.Breast−AdenoCA::S.187
SP.Syn.Skin−Melanoma::S.34
SP.Syn.Liver−HCC::S.77
SP.Syn.Liver−HCC::S.166
SP.Syn.Liver−HCC::S.311
SP.Syn.Stomach−AdenoCA::S.38
SP.Syn.Eso−AdenoCA::S.62
SP.Syn.Breast−AdenoCA::S.82
SP.Syn.Liver−HCC::S.292
SP.Syn.Kidney−RCC::S.104
SP.Syn.Breast−AdenoCA::S.101
SP.Syn.Liver−HCC::S.146
SP.Syn.Kidney−RCC::S.113
SP.Syn.Skin−Melanoma::S.77
SP.Syn.Kidney−RCC::S.7
Signature
hdp.12
hdp.11
hdp.10
hdp.9
hdp.8
hdp.7
hdp.6
hdp.5
hdp.4
hdp.3
hdp.2
hdp.1


Number of mutations
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514
342
171
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.Syn.Stomach−AdenoCA::S.25
.Syn.Stomach−AdenoCA::S.26
SP.Syn.Liver−HCC::S.131
SP.Syn.Liver−HCC::S.159
SP.Syn.Liver−HCC::S.45
SP.Syn.Liver−HCC::S.72
SP.Syn.Lung−AdenoCA::S.30
SP.Syn.Breast−AdenoCA::S.99
SP.Syn.Skin−Melanoma::S.28
SP.Syn.Ovary−AdenoCA::S.71
SP.Syn.Kidney−RCC::S.87
SP.Syn.Kidney−RCC::S.116
SP.Syn.Skin−Melanoma::S.79
SP.Syn.Skin−Melanoma::S.16
SP.Syn.Liver−HCC::S.202
SP.Syn.Kidney−RCC::S.9
SP.Syn.Breast−AdenoCA::S.160
SP.Syn.Kidney−RCC::S.76
SP.Syn.Kidney−RCC::S.127
SP.Syn.Breast−AdenoCA::S.24
SP.Syn.Kidney−RCC::S.6
SP.Syn.Ovary−AdenoCA::S.4
SP.Syn.Ovary−AdenoCA::S.53
SP.Syn.Liver−HCC::S.128
SP.Syn.Eso−AdenoCA::S.17
SP.Syn.Kidney−RCC::S.22
SP.Syn.Liver−HCC::S.266
SP.Syn.Skin−Melanoma::S.15
SP.Syn.Liver−HCC::S.69
Signature
hdp.12
hdp.11
hdp.10
hdp.9
hdp.8
hdp.7
hdp.6
hdp.5
hdp.4
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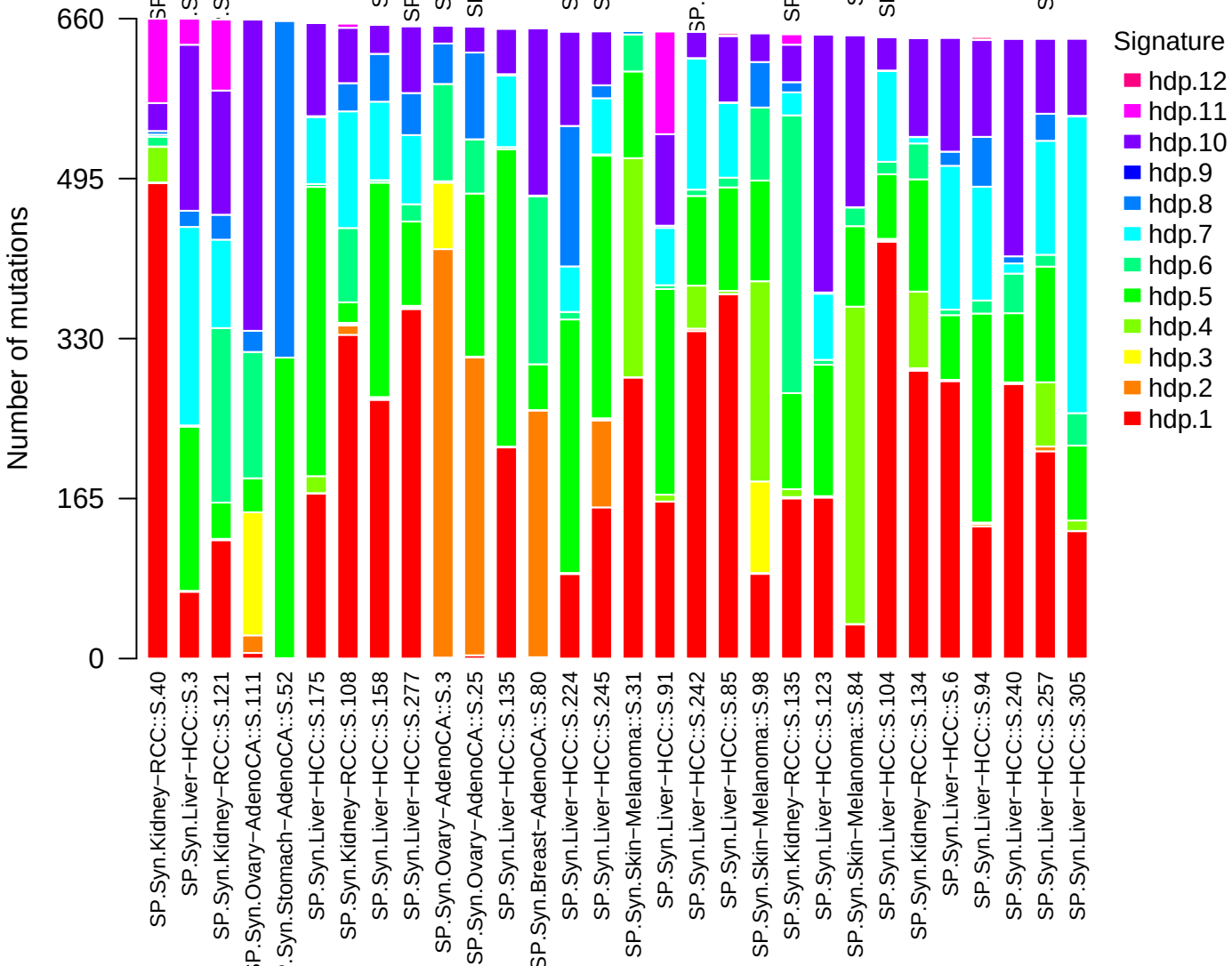
hdp.2
hdp.1


Number of mutations
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495
330
165
0
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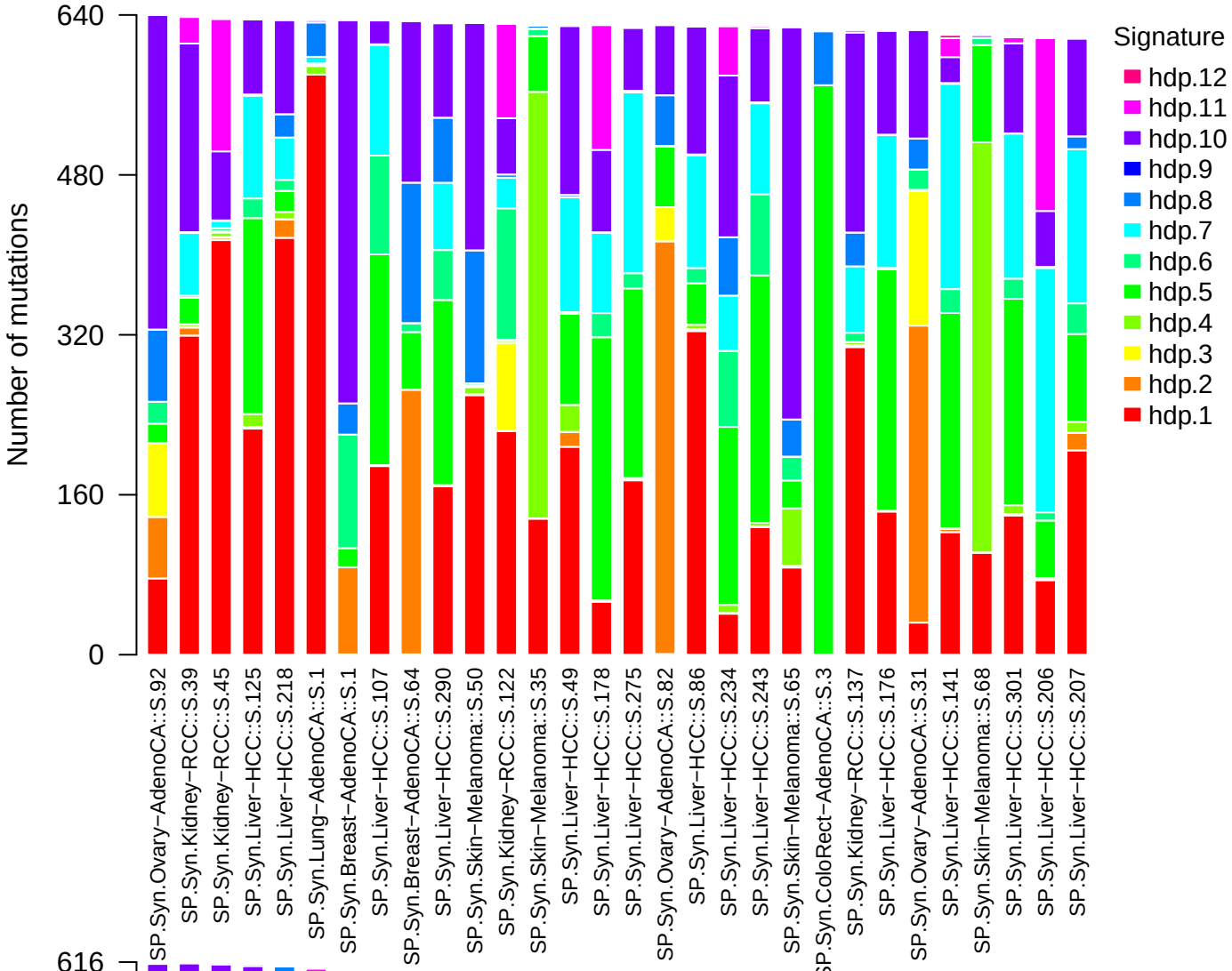
SP.Syn.Kidney−RCC::S.121
SP.Syn.Ovary−AdenoCA::S.111
.Syn.Stomach−AdenoCA::S.52
SP.Syn.Liver−HCC::S.175
SP.Syn.Kidney−RCC::S.108
SP.Syn.Liver−HCC::S.158
SP.Syn.Liver−HCC::S.277
SP.Syn.Ovary−AdenoCA::S.3
SP.Syn.Ovary−AdenoCA::S.25
SP.Syn.Liver−HCC::S.135
SP.Syn.Breast−AdenoCA::S.80
SP.Syn.Liver−HCC::S.224
SP.Syn.Liver−HCC::S.245
SP.Syn.Skin−Melanoma::S.31
SP.Syn.Liver−HCC::S.91
SP.Syn.Liver−HCC::S.242
SP.Syn.Liver−HCC::S.85
SP.Syn.Skin−Melanoma::S.98
SP.Syn.Kidney−RCC::S.135
SP.Syn.Liver−HCC::S.123
SP.Syn.Skin−Melanoma::S.84
SP.Syn.Liver−HCC::S.104
SP.Syn.Kidney−RCC::S.134
SP.Syn.Liver−HCC::S.6
SP.Syn.Liver−HCC::S.94
SP.Syn.Liver−HCC::S.240
SP.Syn.Liver−HCC::S.257
SP.Syn.Liver−HCC::S.305
Signature
hdp.12
hdp.11
hdp.10
hdp.9
hdp.8
hdp.7
hdp.6
hdp.5
hdp.4
hdp.3
hdp.2
hdp.1


Number of mutations
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480
320
160
0
SP.Syn.Ovary−AdenoCA::S.92
SP.Syn.Kidney−RCC::S.39
SP.Syn.Kidney−RCC::S.45
SP.Syn.Liver−HCC::S.125
SP.Syn.Liver−HCC::S.218
SP.Syn.Lung−AdenoCA::S.1
SP.Syn.Breast−AdenoCA::S.1
SP.Syn.Liver−HCC::S.107
SP.Syn.Breast−AdenoCA::S.64
SP.Syn.Liver−HCC::S.290
SP.Syn.Skin−Melanoma::S.50
SP.Syn.Kidney−RCC::S.122
SP.Syn.Skin−Melanoma::S.35
SP.Syn.Liver−HCC::S.49
SP.Syn.Liver−HCC::S.178
SP.Syn.Liver−HCC::S.275
SP.Syn.Ovary−AdenoCA::S.82
SP.Syn.Liver−HCC::S.86
SP.Syn.Liver−HCC::S.234
SP.Syn.Liver−HCC::S.243
SP.Syn.Skin−Melanoma::S.65
SP.Syn.ColoRect−AdenoCA::S.3
SP.Syn.Kidney−RCC::S.137
SP.Syn.Liver−HCC::S.176
SP.Syn.Ovary−AdenoCA::S.31
SP.Syn.Liver−HCC::S.141
SP.Syn.Skin−Melanoma::S.68
SP.Syn.Liver−HCC::S.301
SP.Syn.Liver−HCC::S.206
SP.Syn.Liver−HCC::S.207
Signature
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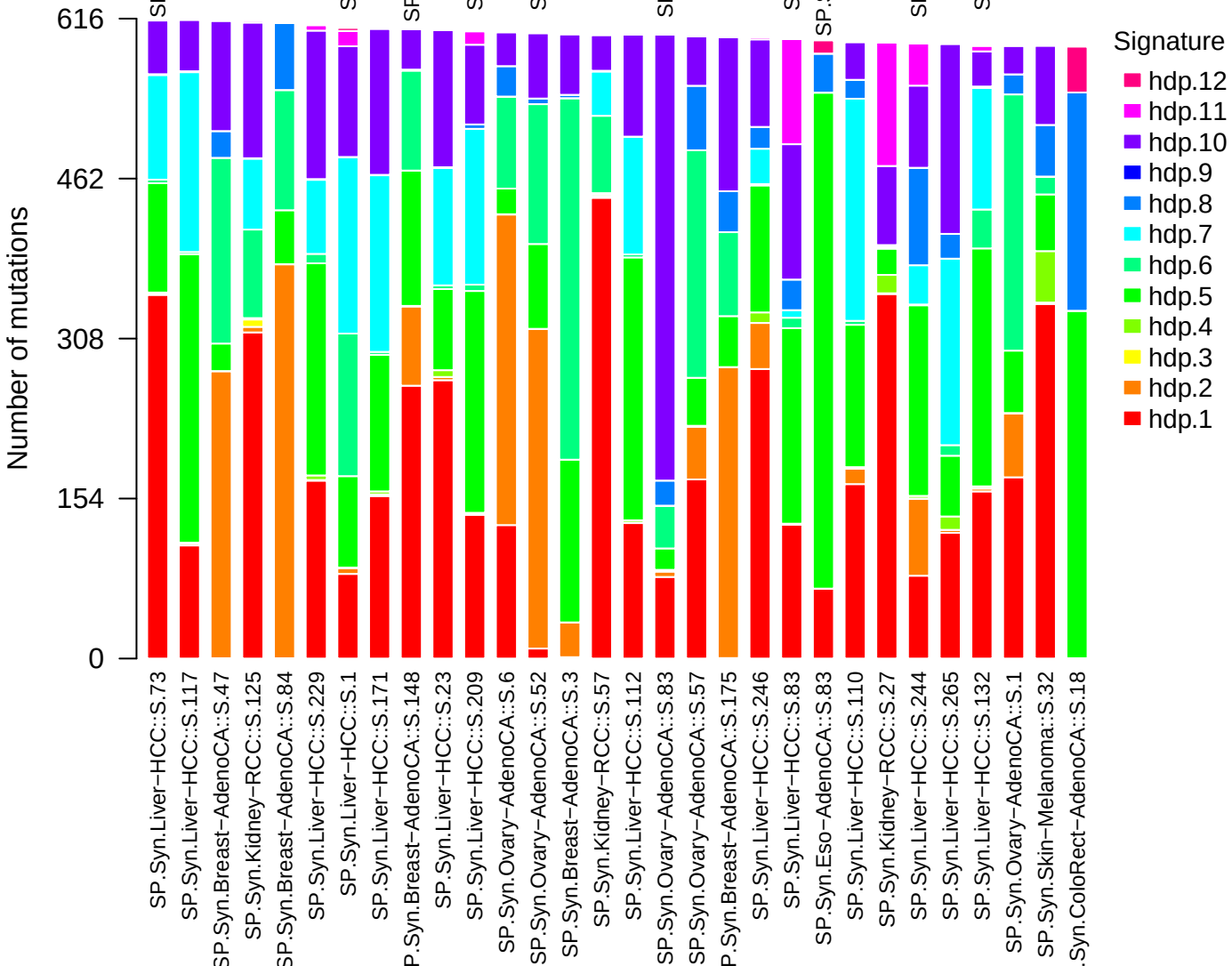
hdp.2
hdp.1


Number of mutations
616
462
308
154
0
SP.Syn.Liver−HCC::S.73
SP.Syn.Liver−HCC::S.117
SP.Syn.Breast−AdenoCA::S.47
SP.Syn.Kidney−RCC::S.125
SP.Syn.Breast−AdenoCA::S.84
SP.Syn.Liver−HCC::S.229
SP.Syn.Liver−HCC::S.1
SP.Syn.Liver−HCC::S.171
SP.Syn.Breast−AdenoCA::S.148
SP.Syn.Liver−HCC::S.23
SP.Syn.Liver−HCC::S.209
SP.Syn.Ovary−AdenoCA::S.6
SP.Syn.Ovary−AdenoCA::S.52
SP.Syn.Breast−AdenoCA::S.3
SP.Syn.Kidney−RCC::S.57
SP.Syn.Liver−HCC::S.112
SP.Syn.Ovary−AdenoCA::S.83
SP.Syn.Ovary−AdenoCA::S.57
SP.Syn.Breast−AdenoCA::S.175
SP.Syn.Liver−HCC::S.246
SP.Syn.Liver−HCC::S.83
SP.Syn.Eso−AdenoCA::S.83
SP.Syn.Liver−HCC::S.110
SP.Syn.Kidney−RCC::S.27
SP.Syn.Liver−HCC::S.244
SP.Syn.Liver−HCC::S.265
SP.Syn.Liver−HCC::S.132
SP.Syn.Ovary−AdenoCA::S.1
SP.Syn.Skin−Melanoma::S.32
.Syn.ColoRect−AdenoCA::S.18
Signature
hdp.12
hdp.11
hdp.10
hdp.9
hdp.8
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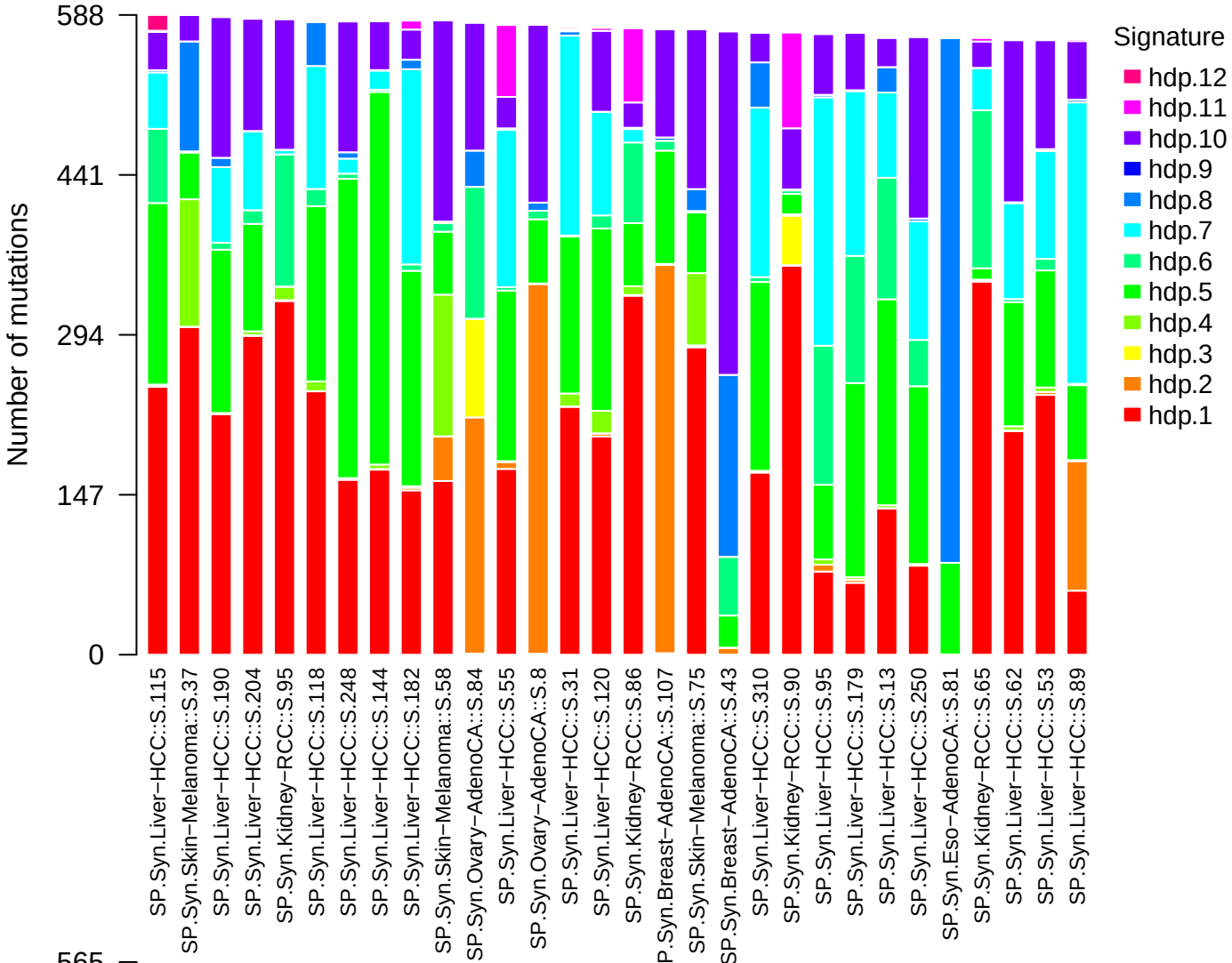
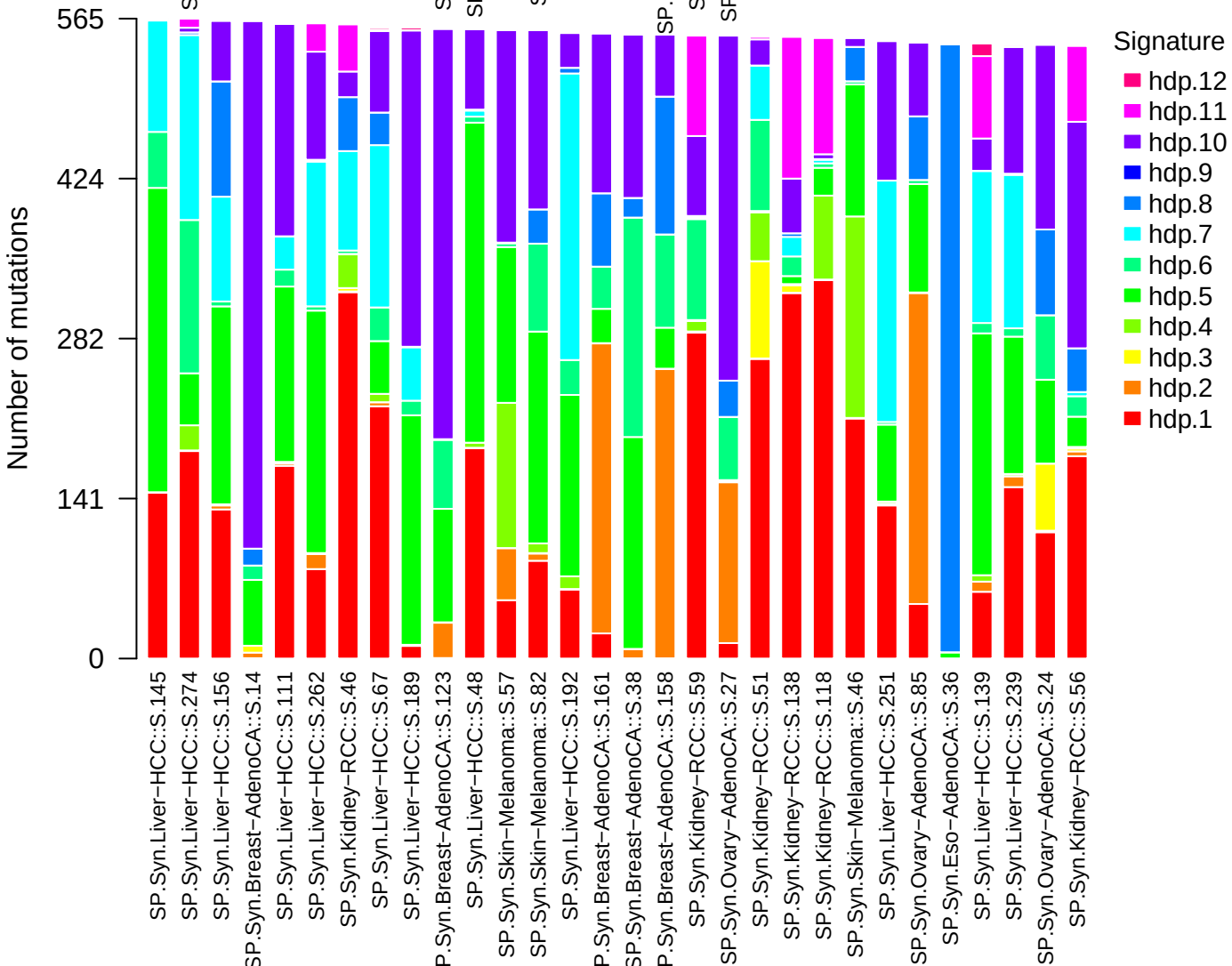
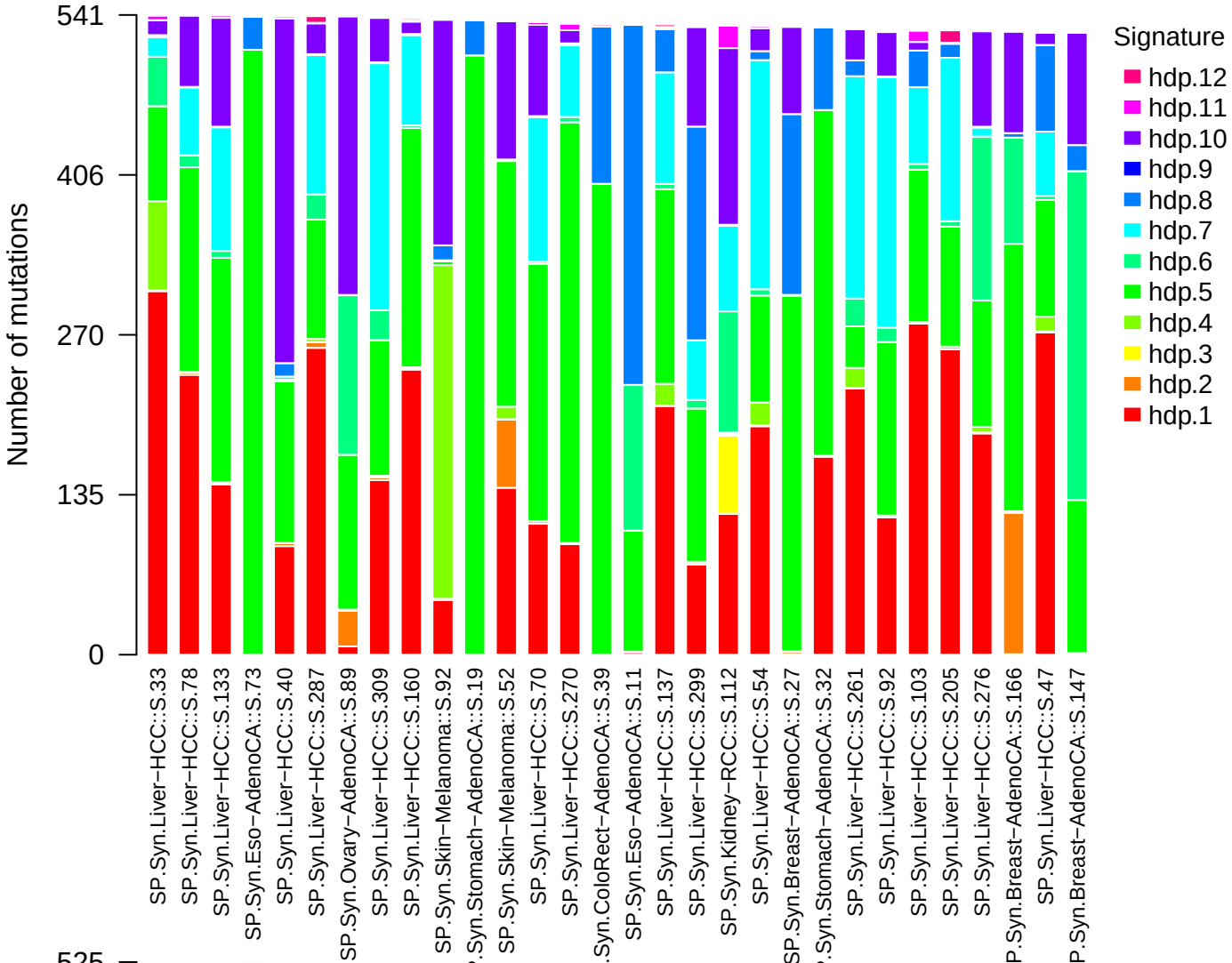
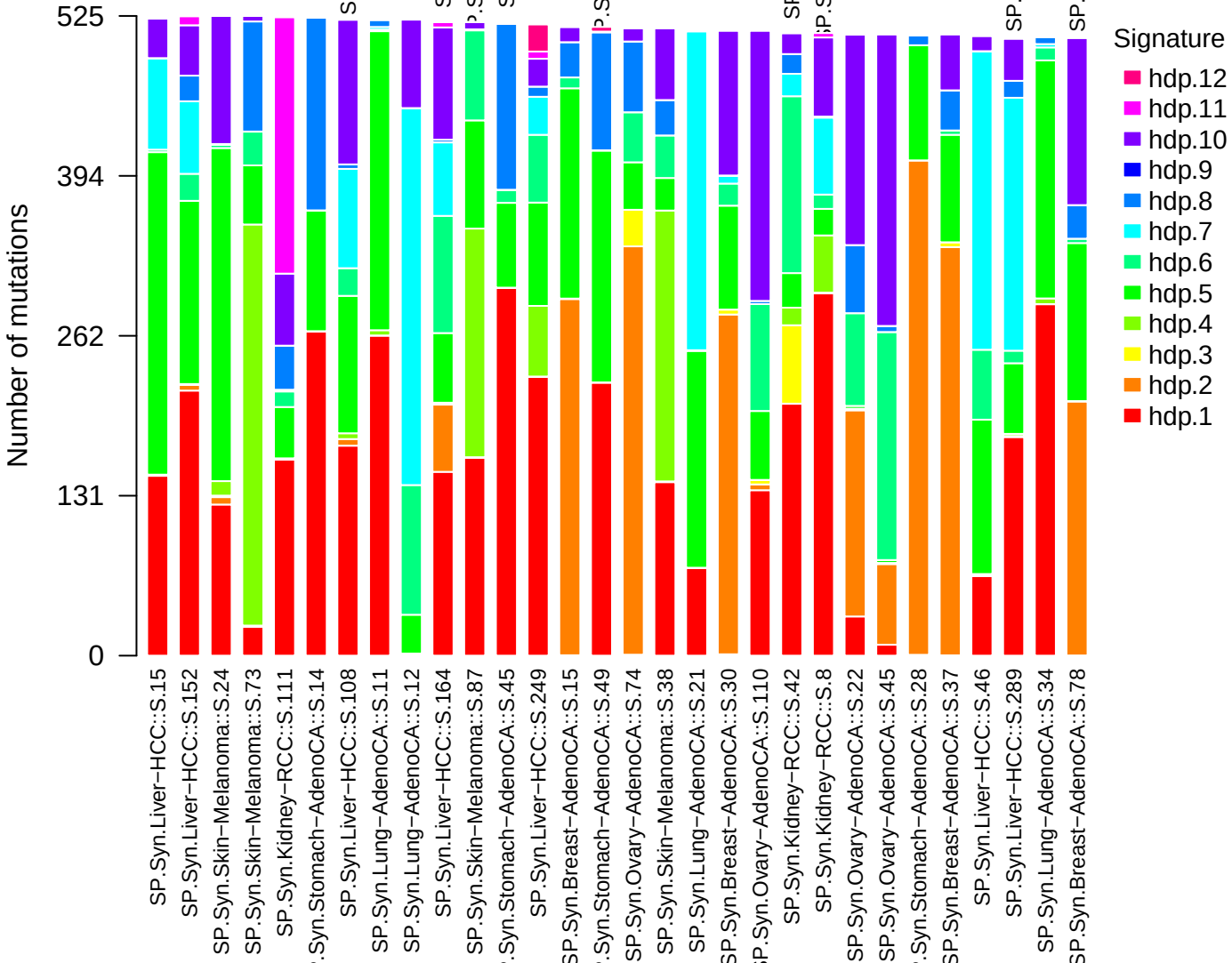
hdp.2
hdp.1


Number of mutations
588
441
294
147
0
SP.Syn.Liver−HCC::S.115
SP.Syn.Skin−Melanoma::S.37
SP.Syn.Liver−HCC::S.190
SP.Syn.Liver−HCC::S.204
SP.Syn.Kidney−RCC::S.95
SP.Syn.Liver−HCC::S.118
SP.Syn.Liver−HCC::S.248
SP.Syn.Liver−HCC::S.144
SP.Syn.Liver−HCC::S.182
SP.Syn.Skin−Melanoma::S.58
SP.Syn.Ovary−AdenoCA::S.84
SP.Syn.Liver−HCC::S.55
SP.Syn.Ovary−AdenoCA::S.8
SP.Syn.Liver−HCC::S.31
SP.Syn.Liver−HCC::S.120
SP.Syn.Kidney−RCC::S.86
SP.Syn.Breast−AdenoCA::S.107
SP.Syn.Skin−Melanoma::S.75
SP.Syn.Breast−AdenoCA::S.43
SP.Syn.Liver−HCC::S.310
SP.Syn.Kidney−RCC::S.90
SP.Syn.Liver−HCC::S.95
SP.Syn.Liver−HCC::S.179
SP.Syn.Liver−HCC::S.13
SP.Syn.Liver−HCC::S.250
SP.Syn.Eso−AdenoCA::S.81
SP.Syn.Kidney−RCC::S.65
SP.Syn.Liver−HCC::S.62
SP.Syn.Liver−HCC::S.53
SP.Syn.Liver−HCC::S.89
Signature
hdp.12
hdp.11
hdp.10
hdp.9
hdp.8
hdp.7
hdp.6
hdp.5
hdp.4
hdp.3
hdp.2
hdp.1


Number of mutations
565
424
282
141
0
SP.Syn.Liver−HCC::S.145
SP.Syn.Liver−HCC::S.274
SP.Syn.Liver−HCC::S.156
SP.Syn.Breast−AdenoCA::S.14
SP.Syn.Liver−HCC::S.111
SP.Syn.Liver−HCC::S.262
SP.Syn.Kidney−RCC::S.46
SP.Syn.Liver−HCC::S.67
SP.Syn.Liver−HCC::S.189
SP.Syn.Breast−AdenoCA::S.123
SP.Syn.Liver−HCC::S.48
SP.Syn.Skin−Melanoma::S.57
SP.Syn.Skin−Melanoma::S.82
SP.Syn.Liver−HCC::S.192
SP.Syn.Breast−AdenoCA::S.161
SP.Syn.Breast−AdenoCA::S.38
SP.Syn.Breast−AdenoCA::S.158
SP.Syn.Kidney−RCC::S.59
SP.Syn.Ovary−AdenoCA::S.27
SP.Syn.Kidney−RCC::S.51
SP.Syn.Kidney−RCC::S.138
SP.Syn.Kidney−RCC::S.118
SP.Syn.Skin−Melanoma::S.46
SP.Syn.Liver−HCC::S.251
SP.Syn.Ovary−AdenoCA::S.85
SP.Syn.Eso−AdenoCA::S.36
SP.Syn.Liver−HCC::S.139
SP.Syn.Liver−HCC::S.239
SP.Syn.Ovary−AdenoCA::S.24
SP.Syn.Kidney−RCC::S.56
Signature
hdp.12
hdp.11
hdp.10
hdp.9
hdp.8
hdp.7
hdp.6
hdp.5
hdp.4
hdp.3
hdp.2
hdp.1


Number of mutations
541
406
270
135
0
SP.Syn.Liver−HCC::S.33
SP.Syn.Liver−HCC::S.78
SP.Syn.Liver−HCC::S.133
SP.Syn.Eso−AdenoCA::S.73
SP.Syn.Liver−HCC::S.40
SP.Syn.Liver−HCC::S.287
SP.Syn.Ovary−AdenoCA::S.89
SP.Syn.Liver−HCC::S.309
SP.Syn.Liver−HCC::S.160
SP.Syn.Skin−Melanoma::S.92
SP.Syn.Stomach−AdenoCA::S.19
SP.Syn.Skin−Melanoma::S.52
SP.Syn.Liver−HCC::S.70
SP.Syn.Liver−HCC::S.270
SP.Syn.ColoRect−AdenoCA::S.39
SP.Syn.Eso−AdenoCA::S.11
SP.Syn.Liver−HCC::S.137
SP.Syn.Liver−HCC::S.299
SP.Syn.Kidney−RCC::S.112
SP.Syn.Liver−HCC::S.54
SP.Syn.Breast−AdenoCA::S.27
SP.Syn.Stomach−AdenoCA::S.32
SP.Syn.Liver−HCC::S.261
SP.Syn.Liver−HCC::S.92
SP.Syn.Liver−HCC::S.103
SP.Syn.Liver−HCC::S.205
SP.Syn.Liver−HCC::S.276
SP.Syn.Breast−AdenoCA::S.166
SP.Syn.Liver−HCC::S.47
SP.Syn.Breast−AdenoCA::S.147
Signature
hdp.12
hdp.11
hdp.10
hdp.9
hdp.8
hdp.7
hdp.6
hdp.5
hdp.4
hdp.3
hdp.2
hdp.1


Number of mutations
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394
262
131
0
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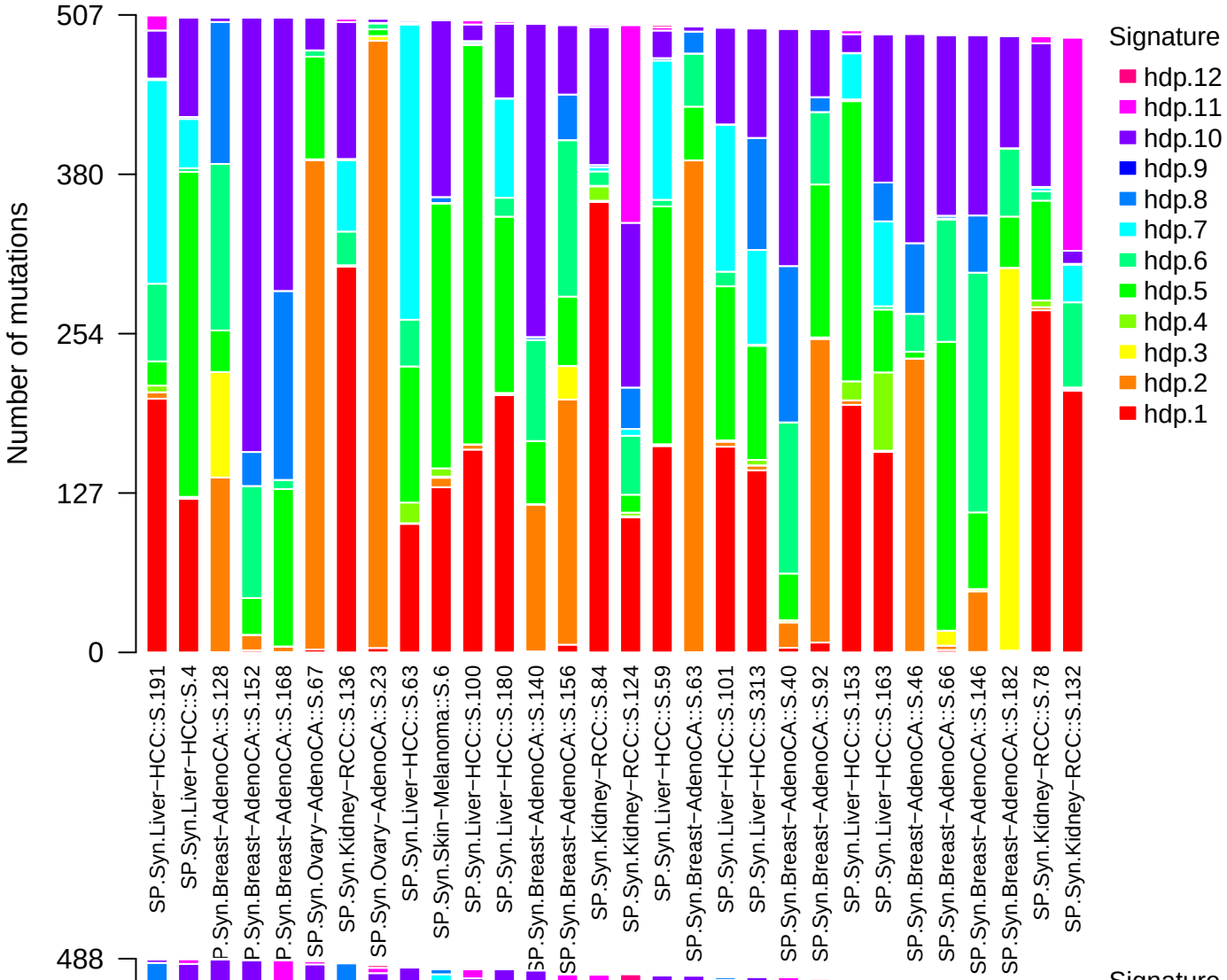
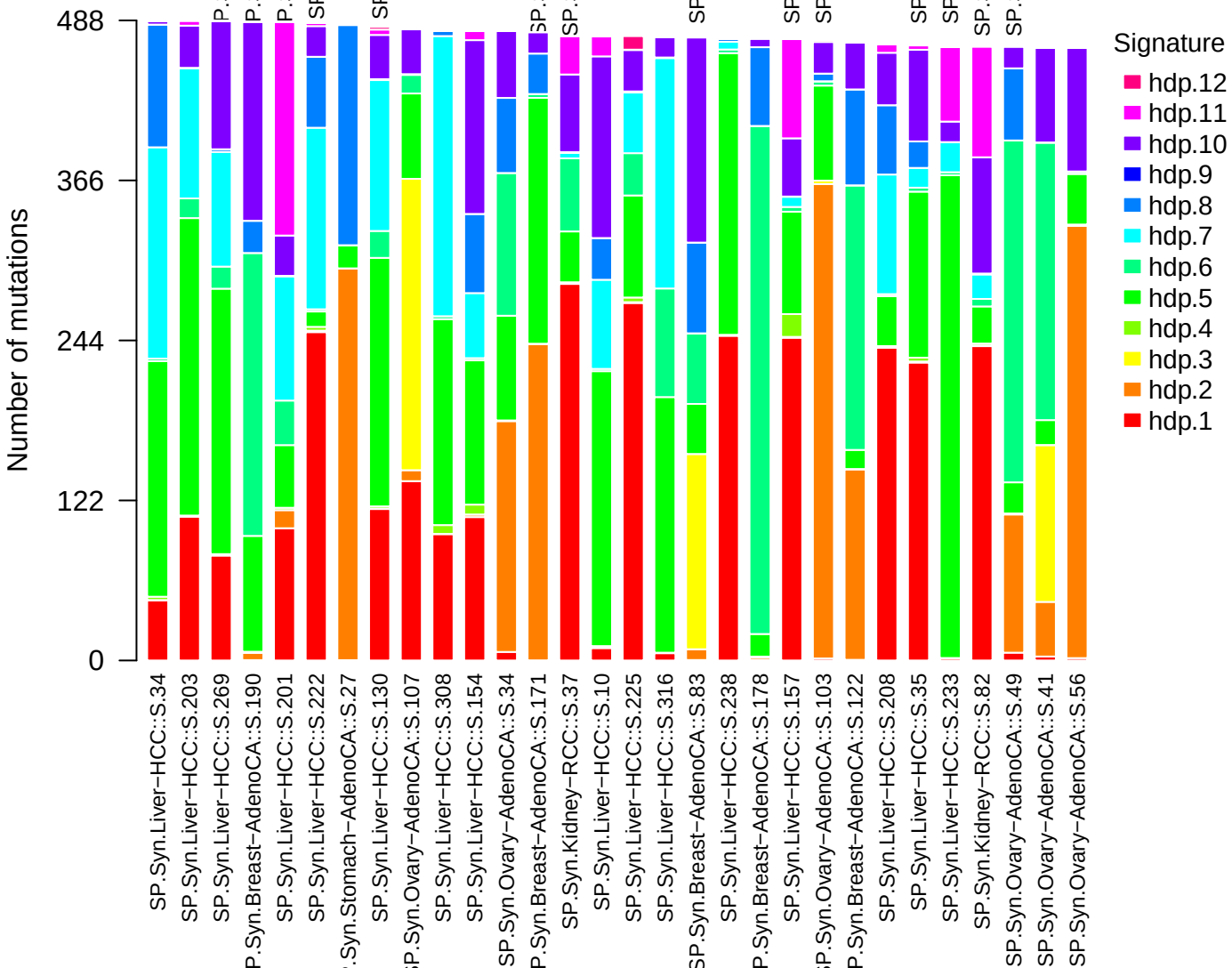
SP.Syn.Liver−HCC::S.152
SP.Syn.Skin−Melanoma::S.24
SP.Syn.Skin−Melanoma::S.73
SP.Syn.Kidney−RCC::S.111
SP.Syn.Stomach−AdenoCA::S.14
SP.Syn.Liver−HCC::S.108
SP.Syn.Lung−AdenoCA::S.11
SP.Syn.Lung−AdenoCA::S.12
SP.Syn.Liver−HCC::S.164
SP.Syn.Skin−Melanoma::S.87
SP.Syn.Stomach−AdenoCA::S.45
SP.Syn.Liver−HCC::S.249
SP.Syn.Breast−AdenoCA::S.15
SP.Syn.Stomach−AdenoCA::S.49
SP.Syn.Ovary−AdenoCA::S.74
SP.Syn.Skin−Melanoma::S.38
SP.Syn.Lung−AdenoCA::S.21
SP.Syn.Breast−AdenoCA::S.30
SP.Syn.Ovary−AdenoCA::S.110
SP.Syn.Kidney−RCC::S.42
SP.Syn.Kidney−RCC::S.8
SP.Syn.Ovary−AdenoCA::S.22
SP.Syn.Ovary−AdenoCA::S.45
SP.Syn.Stomach−AdenoCA::S.28
SP.Syn.Breast−AdenoCA::S.37
SP.Syn.Liver−HCC::S.46
SP.Syn.Liver−HCC::S.289
SP.Syn.Lung−AdenoCA::S.34
SP.Syn.Breast−AdenoCA::S.78
Signature
hdp.12
hdp.11
hdp.10
hdp.9
hdp.8
hdp.7
hdp.6
hdp.5
hdp.4
hdp.3
hdp.2
hdp.1


Number of mutations
507
380
254
127
0
SP.Syn.Liver−HCC::S.191
SP.Syn.Liver−HCC::S.4
P.Syn.Breast−AdenoCA::S.128
P.Syn.Breast−AdenoCA::S.152
P.Syn.Breast−AdenoCA::S.168
SP.Syn.Ovary−AdenoCA::S.67
SP.Syn.Kidney−RCC::S.136
SP.Syn.Ovary−AdenoCA::S.23
SP.Syn.Liver−HCC::S.63
SP.Syn.Skin−Melanoma::S.6
SP.Syn.Liver−HCC::S.100
SP.Syn.Liver−HCC::S.180
SP.Syn.Breast−AdenoCA::S.140
SP.Syn.Breast−AdenoCA::S.156
SP.Syn.Kidney−RCC::S.84
SP.Syn.Kidney−RCC::S.124
SP.Syn.Liver−HCC::S.59
SP.Syn.Breast−AdenoCA::S.63
SP.Syn.Liver−HCC::S.101
SP.Syn.Liver−HCC::S.313
SP.Syn.Breast−AdenoCA::S.40
SP.Syn.Breast−AdenoCA::S.92
SP.Syn.Liver−HCC::S.153
SP.Syn.Liver−HCC::S.163
SP.Syn.Breast−AdenoCA::S.46
SP.Syn.Breast−AdenoCA::S.66
SP.Syn.Breast−AdenoCA::S.146
SP.Syn.Breast−AdenoCA::S.182
SP.Syn.Kidney−RCC::S.78
SP.Syn.Kidney−RCC::S.132
Signature
hdp.12
hdp.11
hdp.10
hdp.9
hdp.8
hdp.7
hdp.6
hdp.5
hdp.4
hdp.3
hdp.2
hdp.1


Number of mutations
488
366
244
122
0
SP.Syn.Liver−HCC::S.34
SP.Syn.Liver−HCC::S.203
SP.Syn.Liver−HCC::S.269
P.Syn.Breast−AdenoCA::S.190
SP.Syn.Liver−HCC::S.201
SP.Syn.Liver−HCC::S.222
.Syn.Stomach−AdenoCA::S.27
SP.Syn.Liver−HCC::S.130
P.Syn.Ovary−AdenoCA::S.107
SP.Syn.Liver−HCC::S.308
SP.Syn.Liver−HCC::S.154
SP.Syn.Ovary−AdenoCA::S.34
P.Syn.Breast−AdenoCA::S.171
SP.Syn.Kidney−RCC::S.37
SP.Syn.Liver−HCC::S.10
SP.Syn.Liver−HCC::S.225
SP.Syn.Liver−HCC::S.316
SP.Syn.Breast−AdenoCA::S.83
SP.Syn.Liver−HCC::S.238
P.Syn.Breast−AdenoCA::S.178
SP.Syn.Liver−HCC::S.157
P.Syn.Ovary−AdenoCA::S.103
P.Syn.Breast−AdenoCA::S.122
SP.Syn.Liver−HCC::S.208
SP.Syn.Liver−HCC::S.35
SP.Syn.Liver−HCC::S.233
SP.Syn.Kidney−RCC::S.82
SP.Syn.Ovary−AdenoCA::S.49
SP.Syn.Ovary−AdenoCA::S.41
SP.Syn.Ovary−AdenoCA::S.56
Signature
hdp.12
hdp.11
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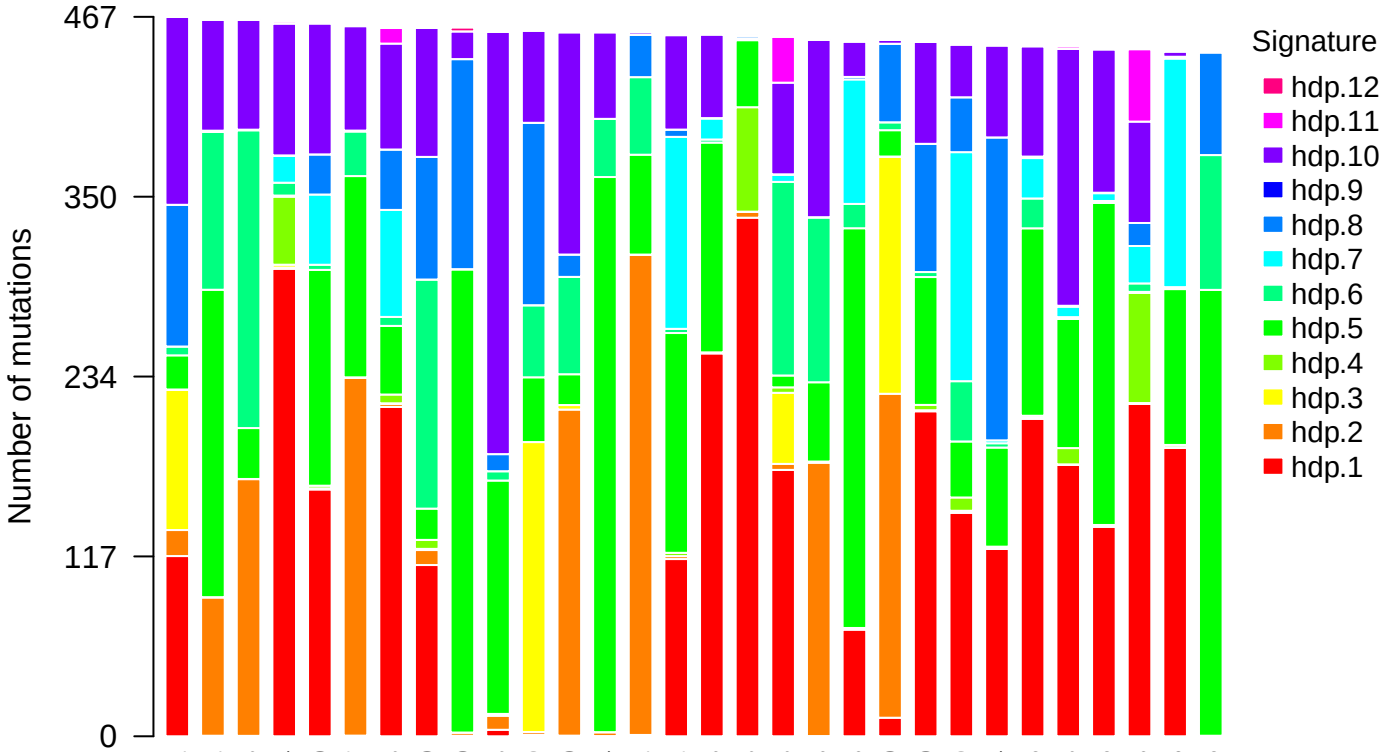
hdp.2
hdp.1


Number of mutations
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350
234
117
0
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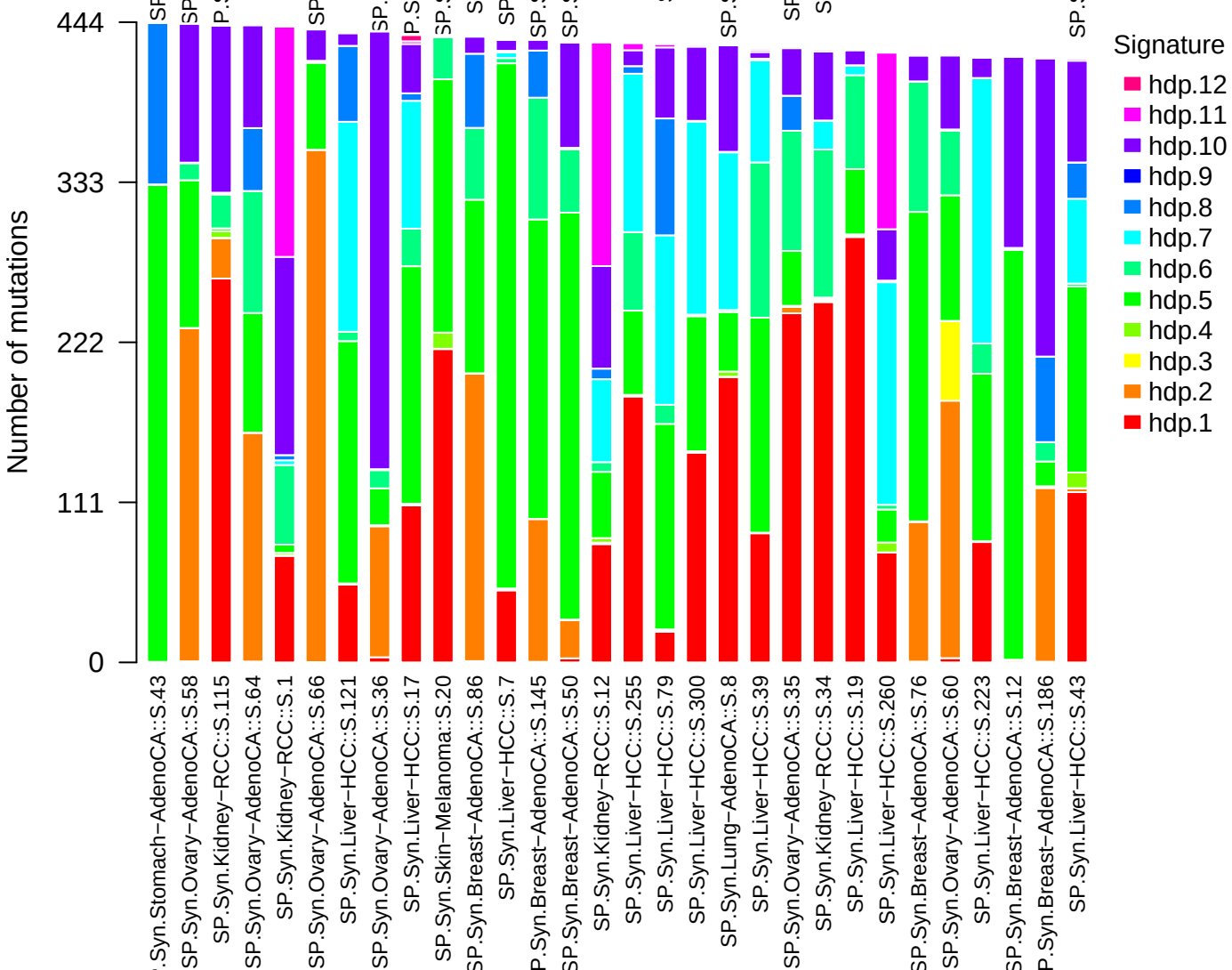
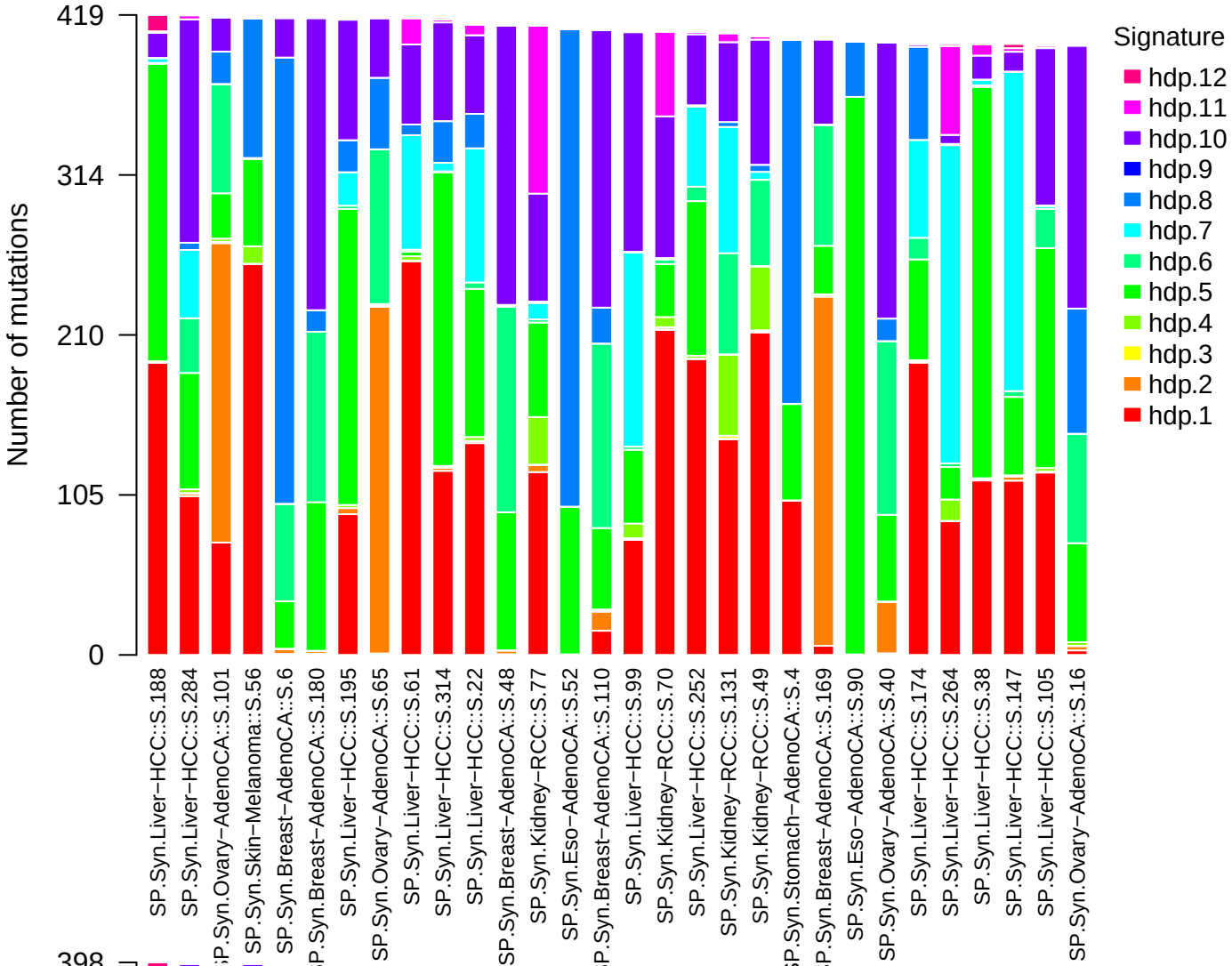
SP.Syn.Breast−AdenoCA::S.61
P.Syn.Breast−AdenoCA::S.173
SP.Syn.Kidney−RCC::S.64
SP.Syn.Liver−HCC::S.210
SP.Syn.Breast−AdenoCA::S.67
SP.Syn.Liver−HCC::S.213
SP.Syn.Ovary−AdenoCA::S.100
P.Syn.Stomach−AdenoCA::S.30
SP.Syn.Breast−AdenoCA::S.133
SP.Syn.Breast−AdenoCA::S.9
SP.Syn.Breast−AdenoCA::S.10
SP.Syn.Breast−AdenoCA::S.184
SP.Syn.Breast−AdenoCA::S.121
SP.Syn.Liver−HCC::S.42
SP.Syn.Liver−HCC::S.288
SP.Syn.Skin−Melanoma::S.3
SP.Syn.Kidney−RCC::S.133
SP.Syn.Breast−AdenoCA::S.108
SP.Syn.Liver−HCC::S.58
SP.Syn.Ovary−AdenoCA::S.50
SP.Syn.Skin−Melanoma::S.30
SP.Syn.Liver−HCC::S.199
SP.Syn.Liver−HCC::S.74
SP.Syn.Liver−HCC::S.286
SP.Syn.Liver−HCC::S.303
SP.Syn.Liver−HCC::S.66
SP.Syn.Kidney−RCC::S.128
SP.Syn.Liver−HCC::S.315
SP.Syn.Breast−AdenoCA::S.176
Signature
hdp.12
hdp.11
hdp.10
hdp.9
hdp.8
hdp.7
hdp.6
hdp.5
hdp.4
hdp.3
hdp.2
hdp.1


Number of mutations
444
333
222
111
0
.Syn.Stomach−AdenoCA::S.43
SP.Syn.Ovary−AdenoCA::S.58
SP.Syn.Kidney−RCC::S.115
SP.Syn.Ovary−AdenoCA::S.64
SP.Syn.Kidney−RCC::S.1
SP.Syn.Ovary−AdenoCA::S.66
SP.Syn.Liver−HCC::S.121
SP.Syn.Ovary−AdenoCA::S.36
SP.Syn.Liver−HCC::S.17
SP.Syn.Skin−Melanoma::S.20
SP.Syn.Breast−AdenoCA::S.86
SP.Syn.Liver−HCC::S.7
P.Syn.Breast−AdenoCA::S.145
SP.Syn.Breast−AdenoCA::S.50
SP.Syn.Kidney−RCC::S.12
SP.Syn.Liver−HCC::S.255
SP.Syn.Liver−HCC::S.79
SP.Syn.Liver−HCC::S.300
SP.Syn.Lung−AdenoCA::S.8
SP.Syn.Liver−HCC::S.39
SP.Syn.Ovary−AdenoCA::S.35
SP.Syn.Kidney−RCC::S.34
SP.Syn.Liver−HCC::S.19
SP.Syn.Liver−HCC::S.260
SP.Syn.Breast−AdenoCA::S.76
SP.Syn.Ovary−AdenoCA::S.60
SP.Syn.Liver−HCC::S.223
SP.Syn.Breast−AdenoCA::S.12
P.Syn.Breast−AdenoCA::S.186
SP.Syn.Liver−HCC::S.43
Signature
hdp.12
hdp.11
hdp.10
hdp.9
hdp.8
hdp.7
hdp.6
hdp.5
hdp.4
hdp.3
hdp.2
hdp.1


Number of mutations
419
314
210
105
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SP.Syn.Ovary−AdenoCA::S.101
SP.Syn.Skin−Melanoma::S.56
SP.Syn.Breast−AdenoCA::S.6
SP.Syn.Breast−AdenoCA::S.180
SP.Syn.Liver−HCC::S.195
SP.Syn.Ovary−AdenoCA::S.65
SP.Syn.Liver−HCC::S.61
SP.Syn.Liver−HCC::S.314
SP.Syn.Liver−HCC::S.22
SP.Syn.Breast−AdenoCA::S.48
SP.Syn.Kidney−RCC::S.77
SP.Syn.Eso−AdenoCA::S.52
SP.Syn.Breast−AdenoCA::S.110
SP.Syn.Liver−HCC::S.99
SP.Syn.Kidney−RCC::S.70
SP.Syn.Liver−HCC::S.252
SP.Syn.Kidney−RCC::S.131
SP.Syn.Kidney−RCC::S.49
SP.Syn.Stomach−AdenoCA::S.4
SP.Syn.Breast−AdenoCA::S.169
SP.Syn.Eso−AdenoCA::S.90
SP.Syn.Ovary−AdenoCA::S.40
SP.Syn.Liver−HCC::S.174
SP.Syn.Liver−HCC::S.264
SP.Syn.Liver−HCC::S.38
SP.Syn.Liver−HCC::S.147
SP.Syn.Liver−HCC::S.105
SP.Syn.Ovary−AdenoCA::S.16
Signature
hdp.12
hdp.11
hdp.10
hdp.9
hdp.8
hdp.7
hdp.6
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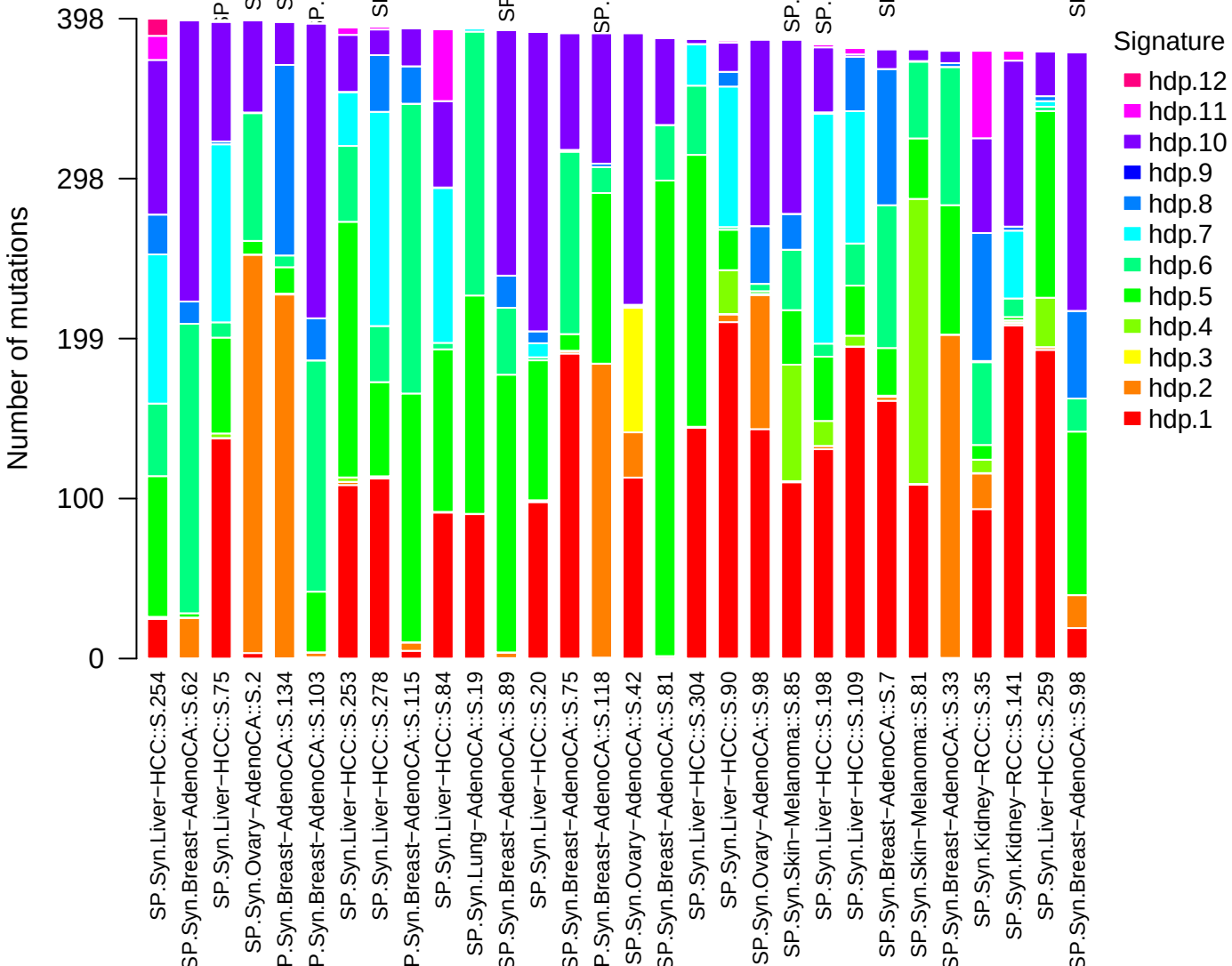
hdp.2
hdp.1


Number of mutations
398
298
199
100
0
SP.Syn.Liver−HCC::S.254
SP.Syn.Breast−AdenoCA::S.62
SP.Syn.Liver−HCC::S.75
SP.Syn.Ovary−AdenoCA::S.2
SP.Syn.Breast−AdenoCA::S.134
SP.Syn.Breast−AdenoCA::S.103
SP.Syn.Liver−HCC::S.253
SP.Syn.Liver−HCC::S.278
SP.Syn.Breast−AdenoCA::S.115
SP.Syn.Liver−HCC::S.84
SP.Syn.Lung−AdenoCA::S.19
SP.Syn.Breast−AdenoCA::S.89
SP.Syn.Liver−HCC::S.20
SP.Syn.Breast−AdenoCA::S.75
SP.Syn.Breast−AdenoCA::S.118
SP.Syn.Ovary−AdenoCA::S.42
SP.Syn.Breast−AdenoCA::S.81
SP.Syn.Liver−HCC::S.304
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SP.Syn.Ovary−AdenoCA::S.98
SP.Syn.Skin−Melanoma::S.85
SP.Syn.Liver−HCC::S.198
SP.Syn.Liver−HCC::S.109
SP.Syn.Breast−AdenoCA::S.7
SP.Syn.Skin−Melanoma::S.81
SP.Syn.Breast−AdenoCA::S.33
SP.Syn.Kidney−RCC::S.35
SP.Syn.Kidney−RCC::S.141
SP.Syn.Liver−HCC::S.259
SP.Syn.Breast−AdenoCA::S.98
Signature
hdp.12
hdp.11
hdp.10
hdp.9
hdp.8
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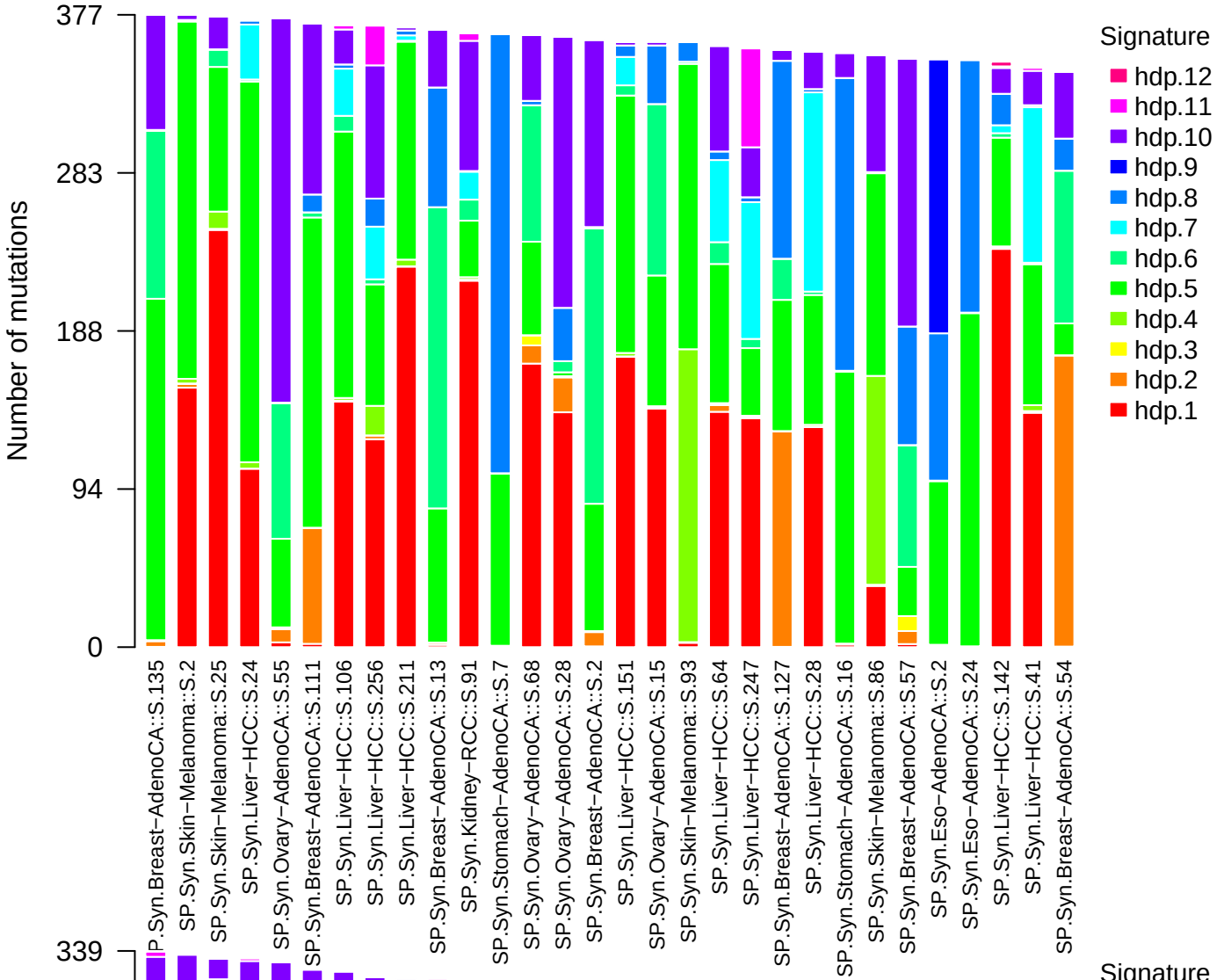
hdp.2
hdp.1


Number of mutations
377
283
188
94
0
Signature
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hdp.10
hdp.9
hdp.8
hdp.7
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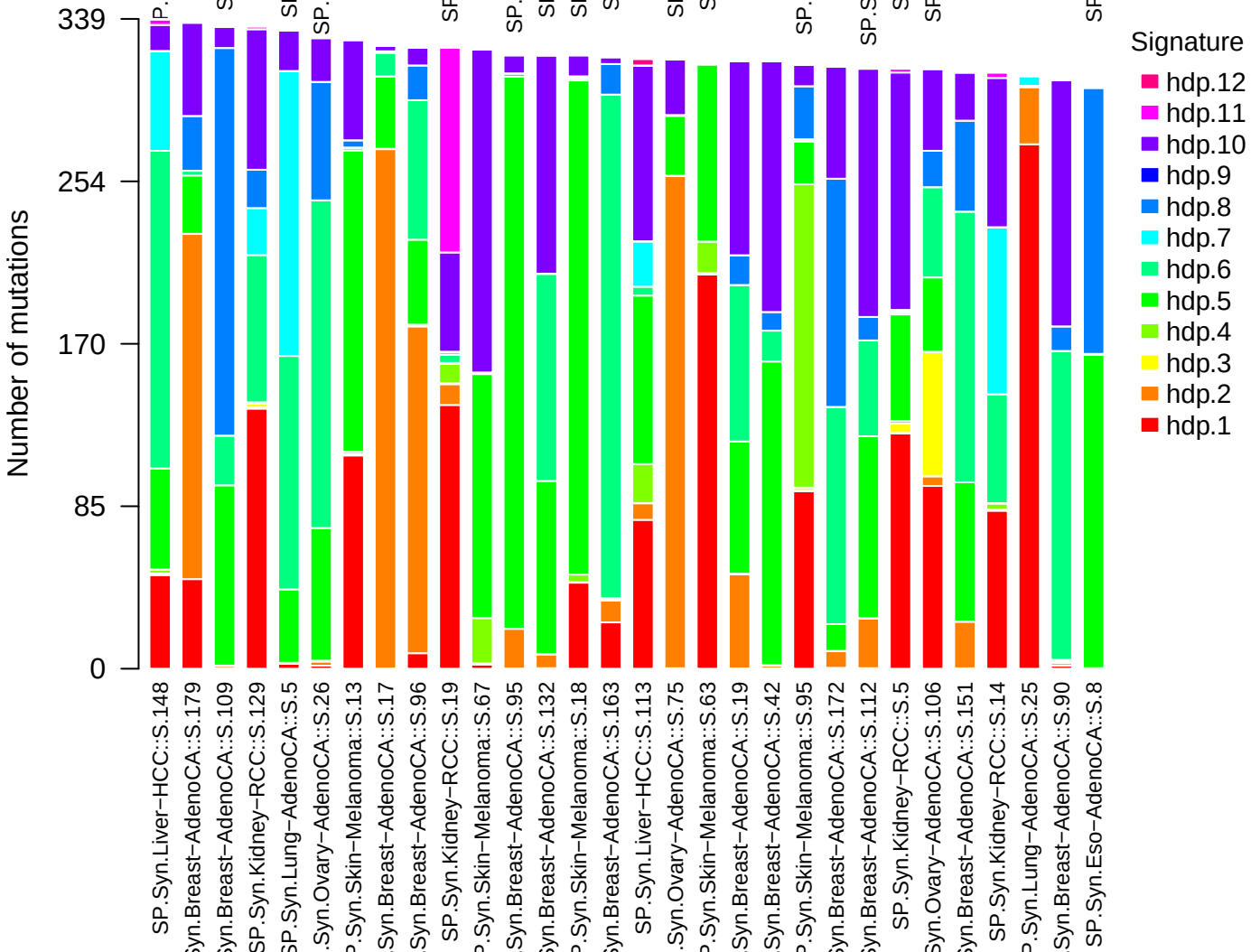
hdp.5
hdp.4
hdp.3
hdp.2
hdp.1
SP.Syn.Breast−AdenoCA::S.135
SP.Syn.Skin−Melanoma::S.2
SP.Syn.Skin−Melanoma::S.25
SP.Syn.Liver−HCC::S.24
SP.Syn.Ovary−AdenoCA::S.55
SP.Syn.Breast−AdenoCA::S.111
SP.Syn.Liver−HCC::S.106
SP.Syn.Liver−HCC::S.256
SP.Syn.Liver−HCC::S.211
SP.Syn.Breast−AdenoCA::S.13
SP.Syn.Kidney−RCC::S.91
SP.Syn.Stomach−AdenoCA::S.7
SP.Syn.Ovary−AdenoCA::S.68
SP.Syn.Ovary−AdenoCA::S.28
SP.Syn.Breast−AdenoCA::S.2
SP.Syn.Liver−HCC::S.151
SP.Syn.Ovary−AdenoCA::S.15
SP.Syn.Skin−Melanoma::S.93
SP.Syn.Liver−HCC::S.64
SP.Syn.Liver−HCC::S.247
SP.Syn.Breast−AdenoCA::S.127
SP.Syn.Liver−HCC::S.28
SP.Syn.Stomach−AdenoCA::S.16
SP.Syn.Skin−Melanoma::S.86
SP.Syn.Breast−AdenoCA::S.57
SP.Syn.Eso−AdenoCA::S.2
SP.Syn.Eso−AdenoCA::S.24
SP.Syn.Liver−HCC::S.142
SP.Syn.Liver−HCC::S.41
SP.Syn.Breast−AdenoCA::S.54


Number of mutations
339
254
170
85
0
Signature
hdp.12
hdp.11
hdp.10
hdp.9
hdp.8
hdp.7
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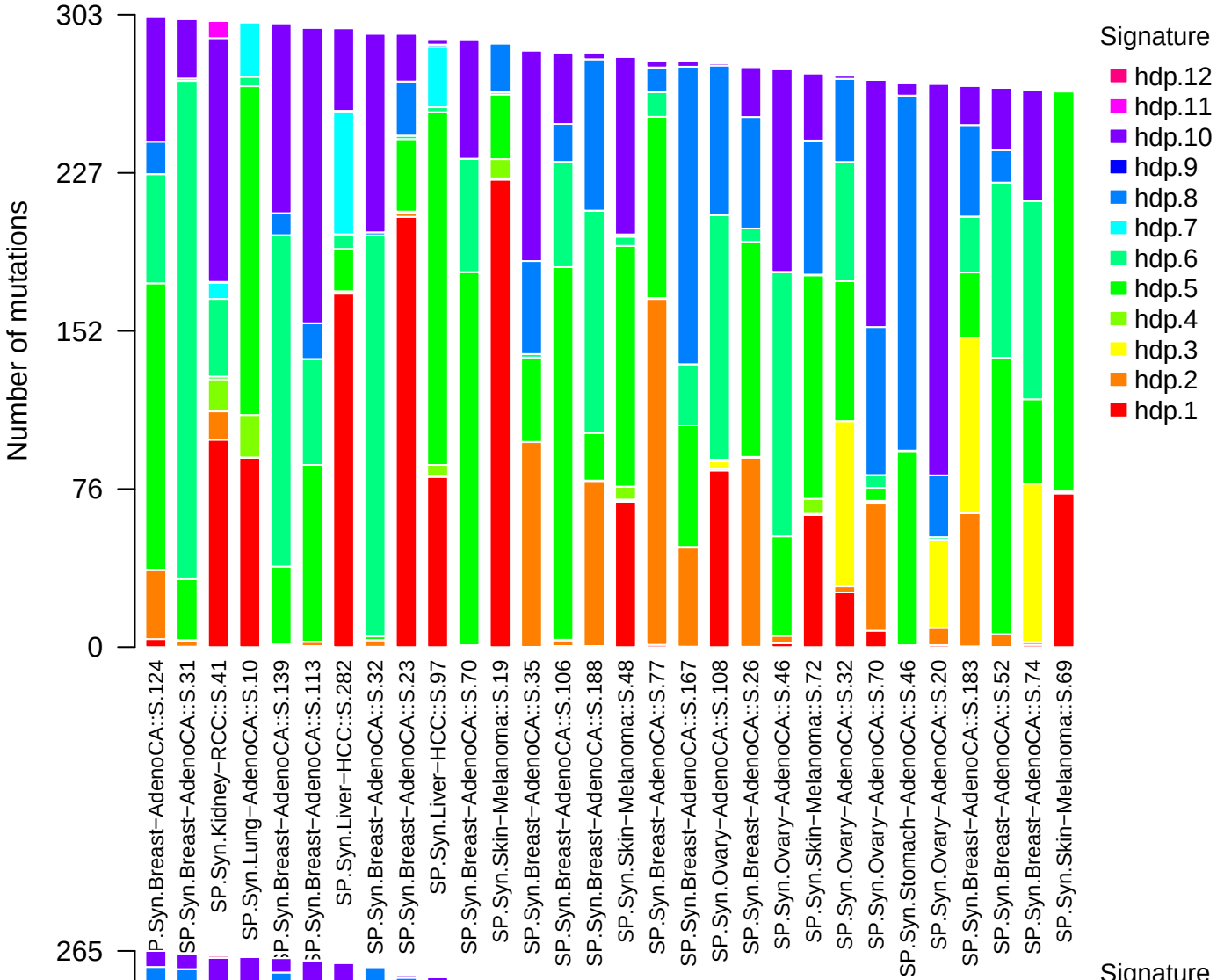
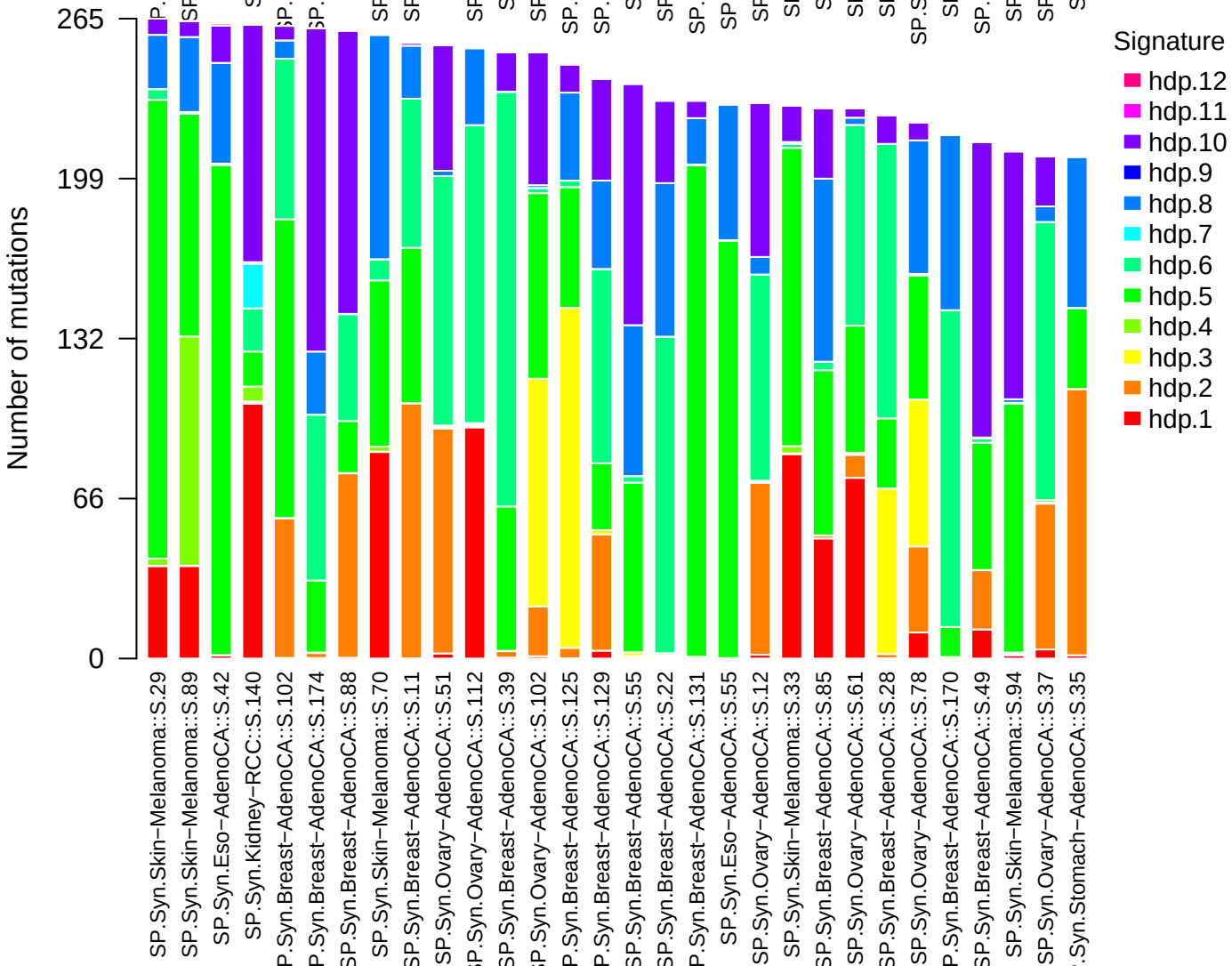
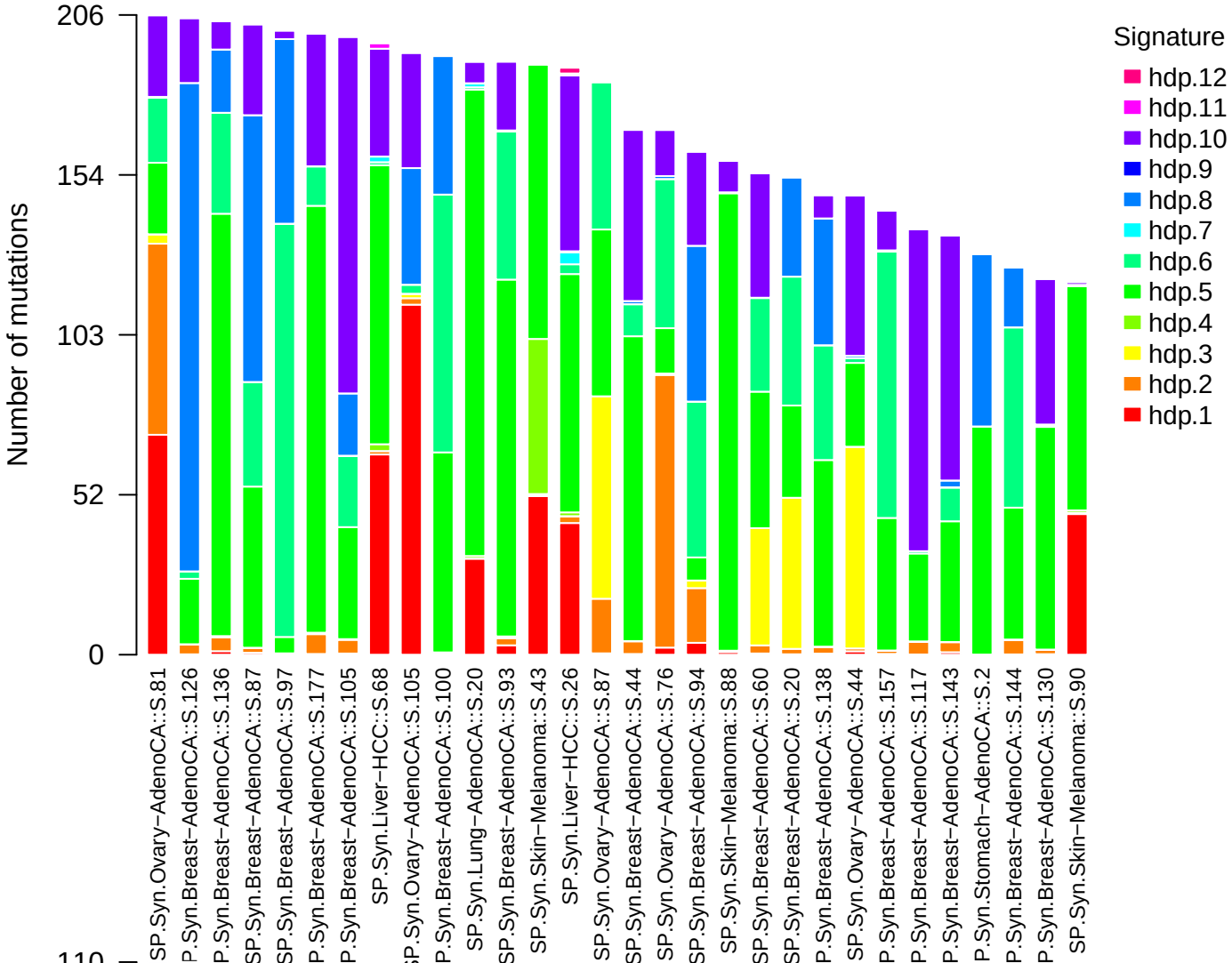
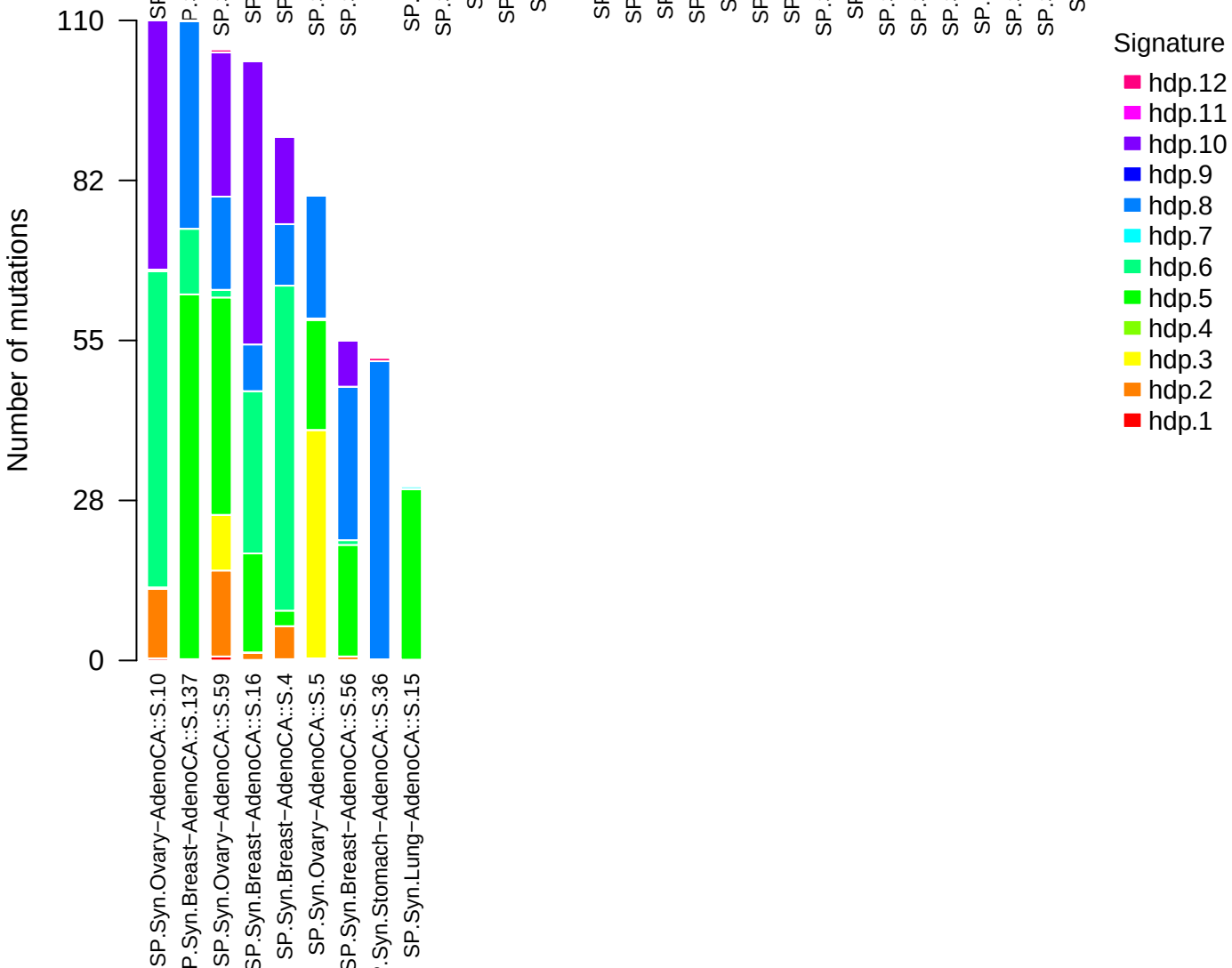
hdp.1
SP.Syn.Liver−HCC::S.148
SP.Syn.Breast−AdenoCA::S.179
SP.Syn.Breast−AdenoCA::S.109
SP.Syn.Kidney−RCC::S.129
SP.Syn.Lung−AdenoCA::S.5
SP.Syn.Ovary−AdenoCA::S.26
SP.Syn.Skin−Melanoma::S.13
SP.Syn.Breast−AdenoCA::S.17
SP.Syn.Breast−AdenoCA::S.96
SP.Syn.Kidney−RCC::S.19
SP.Syn.Skin−Melanoma::S.67
SP.Syn.Breast−AdenoCA::S.95
SP.Syn.Breast−AdenoCA::S.132
SP.Syn.Skin−Melanoma::S.18
SP.Syn.Breast−AdenoCA::S.163
SP.Syn.Liver−HCC::S.113
SP.Syn.Ovary−AdenoCA::S.75
SP.Syn.Skin−Melanoma::S.63
SP.Syn.Breast−AdenoCA::S.19
SP.Syn.Breast−AdenoCA::S.42
SP.Syn.Skin−Melanoma::S.95
SP.Syn.Breast−AdenoCA::S.172
SP.Syn.Breast−AdenoCA::S.112
SP.Syn.Kidney−RCC::S.5
SP.Syn.Ovary−AdenoCA::S.106
SP.Syn.Breast−AdenoCA::S.151
SP.Syn.Kidney−RCC::S.14
SP.Syn.Lung−AdenoCA::S.25
SP.Syn.Breast−AdenoCA::S.90
SP.Syn.Eso−AdenoCA::S.8


Number of mutations
303
227
152
76
0
SP.Syn.Breast−AdenoCA::S.124
SP.Syn.Breast−AdenoCA::S.31
SP.Syn.Kidney−RCC::S.41
SP.Syn.Lung−AdenoCA::S.10
SP.Syn.Breast−AdenoCA::S.139
SP.Syn.Breast−AdenoCA::S.113
SP.Syn.Liver−HCC::S.282
SP.Syn.Breast−AdenoCA::S.32
SP.Syn.Breast−AdenoCA::S.23
SP.Syn.Liver−HCC::S.97
SP.Syn.Breast−AdenoCA::S.70
SP.Syn.Skin−Melanoma::S.19
SP.Syn.Breast−AdenoCA::S.35
SP.Syn.Breast−AdenoCA::S.106
SP.Syn.Breast−AdenoCA::S.188
SP.Syn.Skin−Melanoma::S.48
SP.Syn.Breast−AdenoCA::S.77
SP.Syn.Breast−AdenoCA::S.167
SP.Syn.Ovary−AdenoCA::S.108
SP.Syn.Breast−AdenoCA::S.26
SP.Syn.Ovary−AdenoCA::S.46
SP.Syn.Skin−Melanoma::S.72
SP.Syn.Ovary−AdenoCA::S.32
SP.Syn.Ovary−AdenoCA::S.70
SP.Syn.Stomach−AdenoCA::S.46
SP.Syn.Ovary−AdenoCA::S.20
SP.Syn.Breast−AdenoCA::S.183
SP.Syn.Breast−AdenoCA::S.52
SP.Syn.Breast−AdenoCA::S.74
SP.Syn.Skin−Melanoma::S.69
Signature
hdp.12
hdp.11
hdp.10
hdp.9
hdp.8
hdp.7
hdp.6
hdp.5
hdp.4
hdp.3
hdp.2
hdp.1


Number of mutations
265
199
132
66
0
SP.Syn.Skin−Melanoma::S.29
SP.Syn.Skin−Melanoma::S.89
SP.Syn.Eso−AdenoCA::S.42
SP.Syn.Kidney−RCC::S.140
SP.Syn.Breast−AdenoCA::S.102
SP.Syn.Breast−AdenoCA::S.174
SP.Syn.Breast−AdenoCA::S.88
SP.Syn.Skin−Melanoma::S.70
SP.Syn.Breast−AdenoCA::S.11
SP.Syn.Ovary−AdenoCA::S.51
SP.Syn.Ovary−AdenoCA::S.112
SP.Syn.Breast−AdenoCA::S.39
SP.Syn.Ovary−AdenoCA::S.102
SP.Syn.Breast−AdenoCA::S.125
SP.Syn.Breast−AdenoCA::S.129
SP.Syn.Breast−AdenoCA::S.55
SP.Syn.Breast−AdenoCA::S.22
SP.Syn.Breast−AdenoCA::S.131
SP.Syn.Eso−AdenoCA::S.55
SP.Syn.Ovary−AdenoCA::S.12
SP.Syn.Skin−Melanoma::S.33
SP.Syn.Breast−AdenoCA::S.85
SP.Syn.Ovary−AdenoCA::S.61
SP.Syn.Breast−AdenoCA::S.28
SP.Syn.Ovary−AdenoCA::S.78
SP.Syn.Breast−AdenoCA::S.170
SP.Syn.Breast−AdenoCA::S.49
SP.Syn.Skin−Melanoma::S.94
SP.Syn.Ovary−AdenoCA::S.37
SP.Syn.Stomach−AdenoCA::S.35
Signature
hdp.12
hdp.11
hdp.10
hdp.9
hdp.8
hdp.7
hdp.6
hdp.5
hdp.4
hdp.3
hdp.2
hdp.1


Number of mutations
206
154
103
52
0
SP.Syn.Ovary−AdenoCA::S.81
P.Syn.Breast−AdenoCA::S.126
SP.Syn.Breast−AdenoCA::S.136
SP.Syn.Breast−AdenoCA::S.87
SP.Syn.Breast−AdenoCA::S.97
SP.Syn.Breast−AdenoCA::S.177
SP.Syn.Breast−AdenoCA::S.105
SP.Syn.Liver−HCC::S.68
SP.Syn.Ovary−AdenoCA::S.105
SP.Syn.Breast−AdenoCA::S.100
SP.Syn.Lung−AdenoCA::S.20
SP.Syn.Breast−AdenoCA::S.93
SP.Syn.Skin−Melanoma::S.43
SP.Syn.Liver−HCC::S.26
SP.Syn.Ovary−AdenoCA::S.87
SP.Syn.Breast−AdenoCA::S.44
SP.Syn.Ovary−AdenoCA::S.76
SP.Syn.Breast−AdenoCA::S.94
SP.Syn.Skin−Melanoma::S.88
SP.Syn.Breast−AdenoCA::S.60
SP.Syn.Breast−AdenoCA::S.20
SP.Syn.Breast−AdenoCA::S.138
SP.Syn.Ovary−AdenoCA::S.44
SP.Syn.Breast−AdenoCA::S.157
SP.Syn.Breast−AdenoCA::S.117
SP.Syn.Breast−AdenoCA::S.143
SP.Syn.Stomach−AdenoCA::S.2
SP.Syn.Breast−AdenoCA::S.144
SP.Syn.Breast−AdenoCA::S.130
SP.Syn.Skin−Melanoma::S.90
Signature
hdp.12
hdp.11
hdp.10
hdp.9
hdp.8
hdp.7
hdp.6
hdp.5
hdp.4
hdp.3
hdp.2
hdp.1


Number of mutations
110
82
55
28
0
SP.Syn.Ovary−AdenoCA::S.10
P.Syn.Breast−AdenoCA::S.137
SP.Syn.Ovary−AdenoCA::S.59
SP.Syn.Breast−AdenoCA::S.16
SP.Syn.Breast−AdenoCA::S.4
SP.Syn.Ovary−AdenoCA::S.5
SP.Syn.Breast−AdenoCA::S.56
.Syn.Stomach−AdenoCA::S.36
SP.Syn.Lung−AdenoCA::S.15
Signature
hdp.12
hdp.11
hdp.10
hdp.9
hdp.8
hdp.7
hdp.6
hdp.5
hdp.4
hdp.3
hdp.2
hdp.1