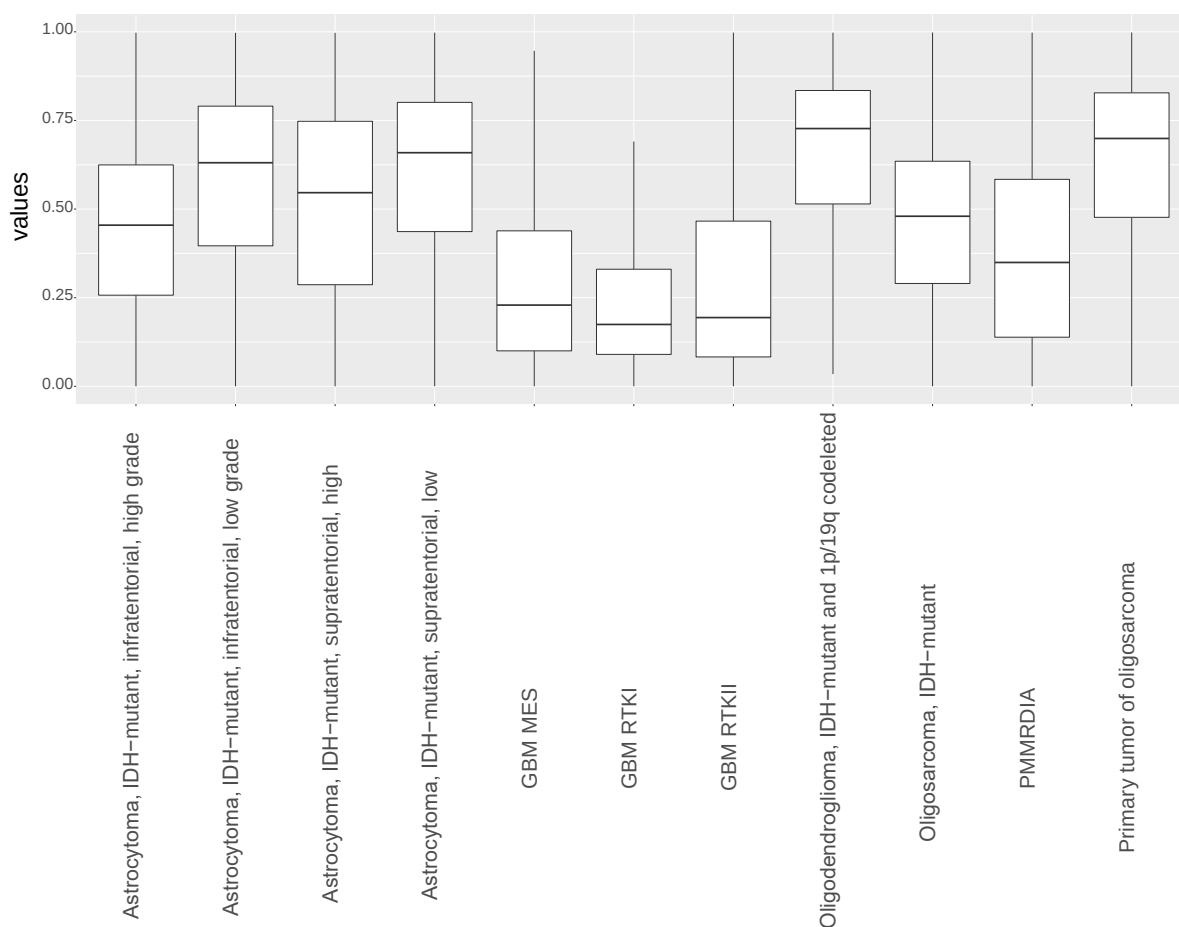
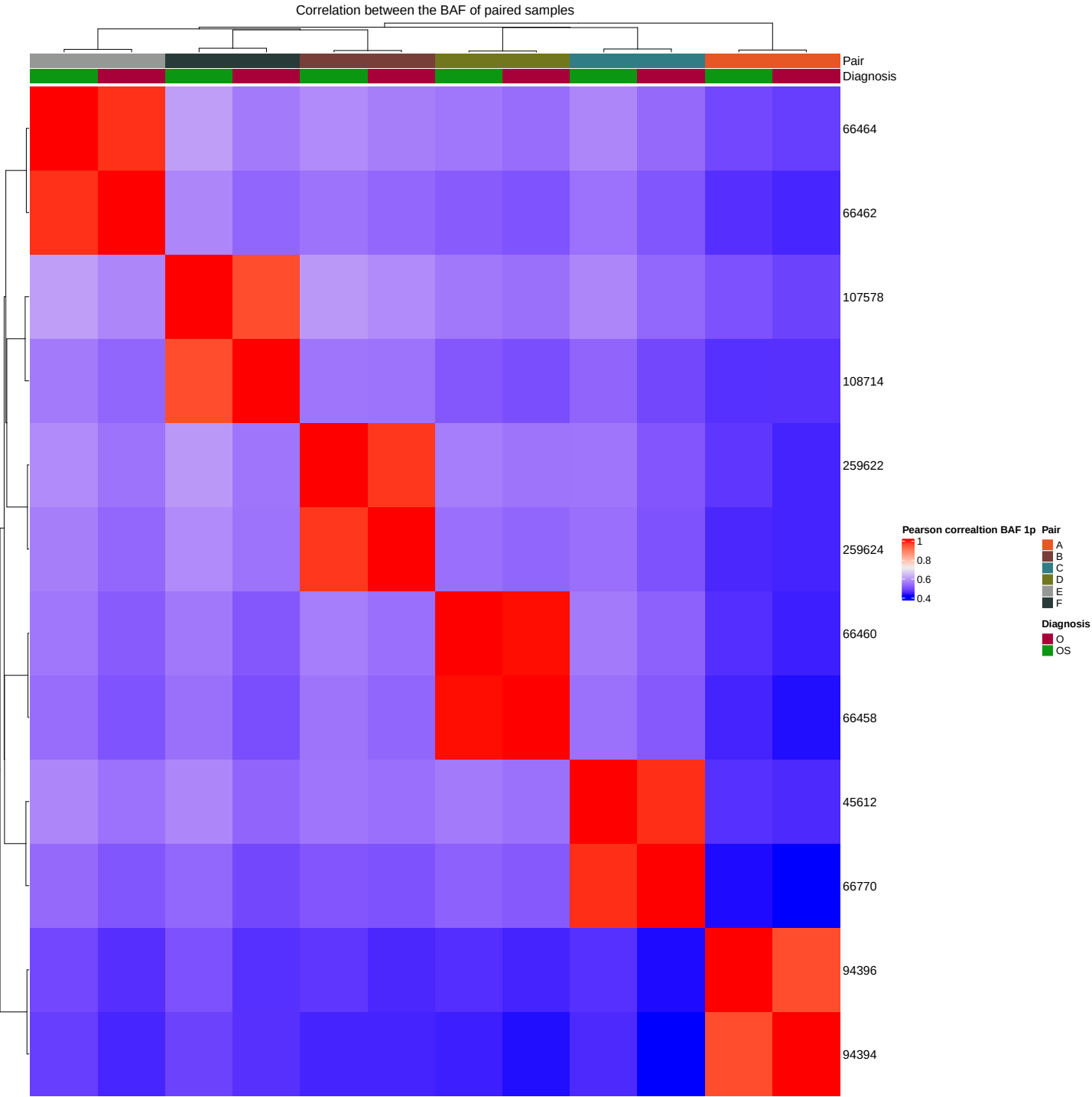




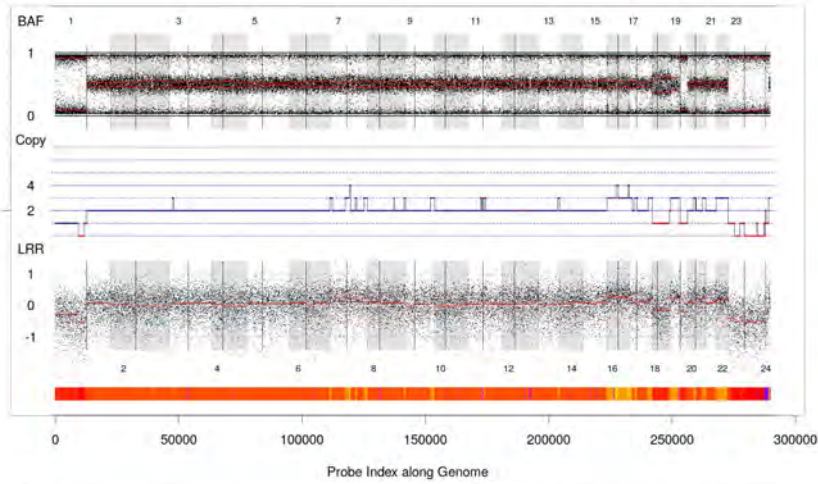
Mean DNA-methylation values of the 20000 most differentially methylated positions among different types of gliomas.
Beta-values vary from 0 (unmethylated) to 1 (fully methylated).

Supplementary Figure 2



Patient 1

Primary tumor

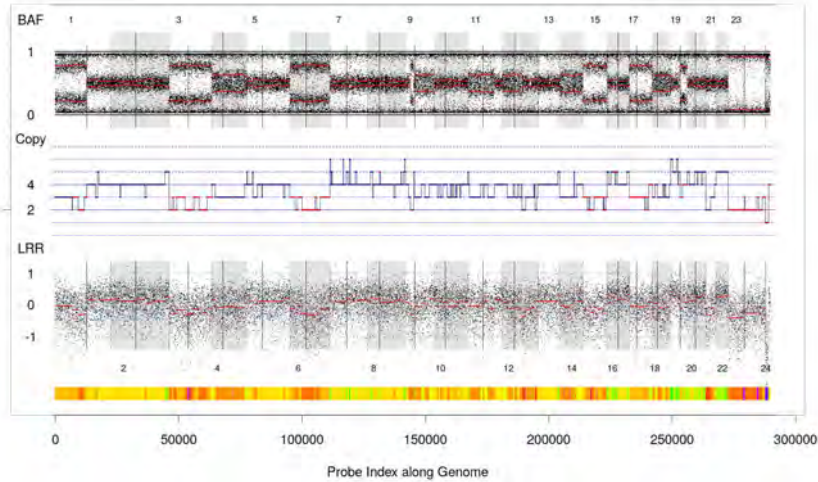


Summary and Centromeres

Break counts >50 = 88 Ploidy detected = 2
 Chromosome counts = 48 % base state = 75
 Centromere counts = 87 % "1" copy loss = 8
 DNA Index = 0.96 % accrued homo = 16

Chr	Copy	B allele	SNPs	Chr	Copy	B allele	SNPs
1 p	1	1	1018	12 p	2	1	4790
1 q	2	1	9765	12 q	2	2	281
2 p	2	1	10133	13 q	2	1	8008
2 q	2	1	6312	14 q	2	1	4160
3 p	2	0	252	15 q	2	1	3121
3 q	2	0	186	16 p	4	4	104
4 p	2	1	4518	16 q	3	2	1069
4 q	2	1	3841	17 p	3	2	810
5 p	2	1	6352	17 q	3	2	236
5 q	2	1	11109	18 p	1	1	2043
6 p	2	1	6572	18 q	1	1	4792
6 q	2	1	2958	19 p	3	2	1894
7 p	3	2	576	19 q	1	1	2909
7 q	3	2	1070	20 p	3	2	938
8 p	2	1	4849	20 q	2	1	138
8 q	2	0	364	22 q	3	2	4826
9 p	2	1	3706	23 p	1	1	1847
9 q	2	1	6366	23 q	0	0	5109
10 p	2	1	4241	24 p	2	0	351
10 q	2	1	415	24 q	1	0	833
11 p	3	0	343				
11 q	2	1	548				

Oligosarcoma



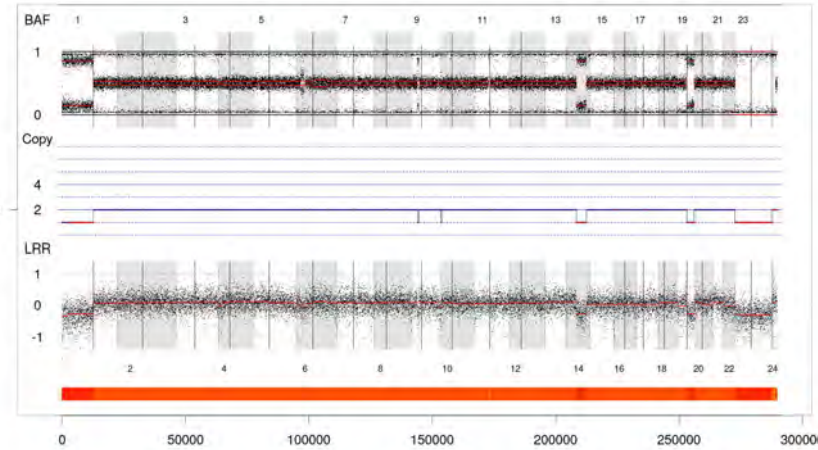
Summary and Centromeres

Break counts >50 = 190 Ploidy detected = 4
 Chromosome counts = 81.5 % base state = 33
 Centromere counts = 147 % "1" copy loss = 13
 DNA Index = 1.71 % accrued homo = 35

Chr	Copy	B allele	SNPs	Chr	Copy	B allele	SNPs
1 p	3	3	1014	12 p	4	3	512
1 q	4	2	3975	12 q	3	2	1813
2 p	4	2	6157	13 q	4	2	8008
2 q	4	2	3626	14 q	3	2	1784
3 p	2	0	252	15 q	4	4	144
3 q	2	0	186	16 p	4	4	104
4 p	3	2	3210	16 q	4	2	3585
4 q	3	2	3841	17 p	3	3	3023
5 p	4	2	6556	17 q	4	4	57
5 q	4	2	8556	18 p	4	3	1030
6 p	2	2	1670	18 q	3	2	459
6 q	2	2	3623	19 p	5	3	184
7 p	5	4	129	19 q	2	1	452
7 q	5	3	590	20 p	5	3	397
8 p	4	2	2525	20 q	4	2	44
8 q	5	5	283	22 q	5	3	3563
9 p	5	3	418	23 p	0	0	5109
9 q	3	2	2645	23 q	3	0	318
10 p	4	2	1046	24 p	1	0	351
10 q	4	2	768	24 q	1	0	834
11 p	3	0	343				
11 q	3	2	545				

Patient 3

Primary tumor

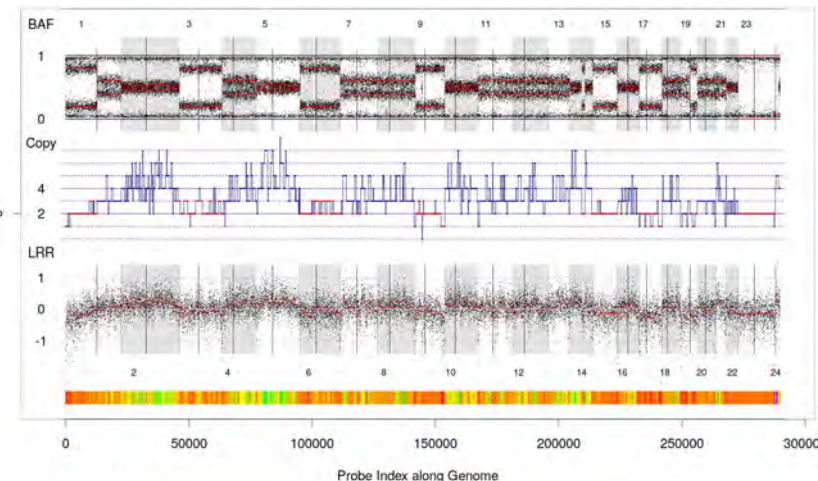


Summary and Centromeres

Break counts >50 = 48 Ploidy detected = 2
 Chromosome counts = 46 % base state = 87
 Centromere counts = 84 % "1" copy loss = 12
 DNA Index = 0.94 % accrued homo = 13

Chr	Copy	B allele	SNPs	Chr	Copy	B allele	SNPs
1 p	1	1	10377	12 p	2	1	4790
1 q	2	1	9031	12 q	2	1	9426
2 p	2	1	8016	13 q	2	1	8787
2 q	2	1	83	14 q	2	1	3965
3 p	2	1	7800	15 q	2	1	9792
3 q	2	1	9037	16 p	2	2	104
4 p	2	1	3077	16 q	2	1	4521
4 q	2	1	9653	17 p	2	1	3023
5 p	2	1	6352	17 q	2	1	597
5 q	2	1	11109	18 p	2	1	2043
6 p	2	1	3142	18 q	2	1	5401
6 q	2	1	5851	19 p	2	1	102
7 p	2	1	6814	19 q	1	1	2939
7 q	5	3	52	20 p	2	1	3324
8 p	2	1	4849	20 q	2	1	4126
8 q	2	2	225	22 q	2	1	4826
9 p	2	1	1043	23 p	1	1	6605
9 q	2	1	6540	23 q	1	1	8438
10 p	2	1	4241	24 p	2	2	351
10 q	2	1	7891	24 q	2	2	833
11 p	3	3	25				
11 q	2	1	7927				

Oligosarcoma



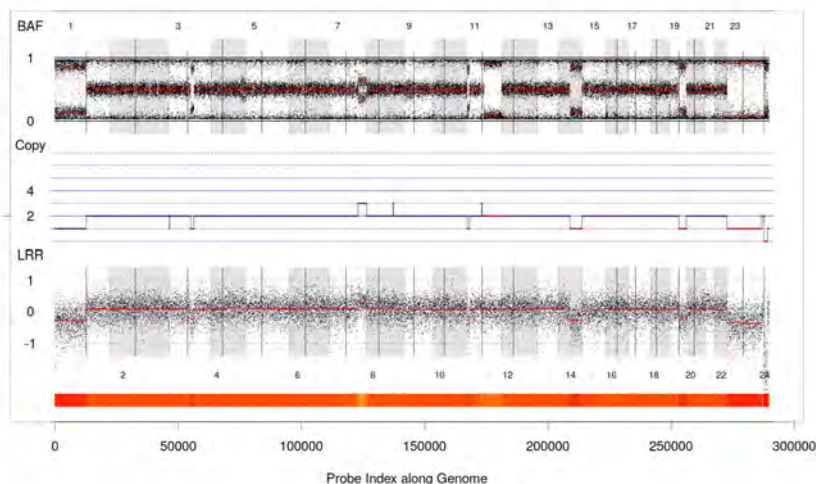
Summary and Centromeres

Break counts >50 = 500 Ploidy detected = 4
 Chromosome counts = 83 % base state = 11
 Centromere counts = 148 % "1" copy loss = 24
 DNA Index = 1.71 % accrued homo = 34

Chr	Copy	B allele	SNPs	Chr	Copy	B allele	SNPs
1 p	2	2	1161	12 p	2	1	16
1 q	3	2	3656	12 q	4	3	1432
2 p	4	2	349	13 q	3	2	498
2 q	3	0	189	14 q	6	3	74
3 p	3	3	1211	15 q	4	3	33
3 q	3	3	136	16 p	4	4	104
4 p	4	3	221	16 q	4	2	299
4 q	3	2	884	17 p	2	2	59
5 p	7	4	254	17 q	2	2	1537
5 q	6	3	81	18 p	5	5	59
6 p	3	3	521	18 q	3	2	1103
6 q	3	3	847	19 p	3	2	89
7 p	2	2	253	19 q	2	2	1021
7 q	6	3	59	20 p	3	2	3324
8 p	3	2	355	20 q	2	1	651
8 q	3	0	229	22 q	5	3	107
9 p	2	2	438	23 p	2	2	6605
9 q	2	2	3206	23 q	2	2	7975
10 p	4	4	109	24 p	5	5	72
10 q	4	2	102	24 q	5	0	823
11 p	6	6	98				
11 q	4	0	41				

Patient 4

Primary tumor

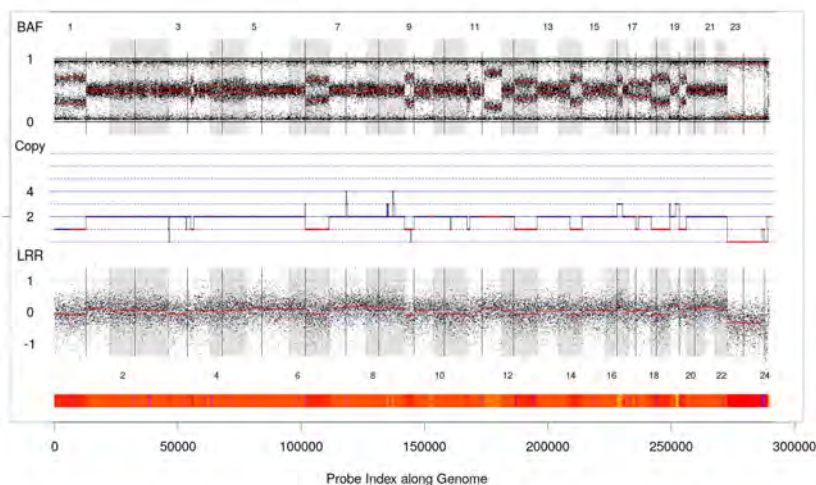


Summary and Centromeres

Break counts >50 = 63 Ploidy detected = 2
 Chromosome counts = 45 % base state = 76
 Centromere counts = 80 % "1" copy loss = 12
 DNA index = 0.94 % accrued homo = 22

Chr	Copy	B allele	SNPs	Chr	Copy	B allele	SNPs
1 p	1	1	12779	12 p	2	1	4790
1 q	2	1	3237	12 q	2	1	896
2 p	2	1	307	13 q	2	1	8628
2 q	2	2	199	14 q	2	1	4575
3 p	2	2	88	15 q	4	2	28
3 q	2	1	147	16 p	2	1	3857
4 p	2	1	4518	16 q	2	2	114
4 q	2	1	9653	17 p	2	1	2603
5 p	2	1	6352	17 q	2	1	6393
5 q	2	1	11109	18 p	2	1	2043
6 p	2	1	3287	18 q	2	2	227
6 q	2	1	215	19 p	2	2	739
7 p	2	1	6803	19 q	1	1	2939
7 q	3	3	55	20 p	2	1	3324
8 p	2	1	4849	20 q	2	1	4126
8 q	2	1	3284	22 q	2	1	3282
9 p	2	1	3736	23 p	1	1	6605
9 q	2	1	8126	23 q	1	1	7606
10 p	2	1	4241	24 p	0	0	351
10 q	2	1	9219	24 q	0	0	834
11 p	3	3	292				
11 q	2	1	774				

Oligosarcoma



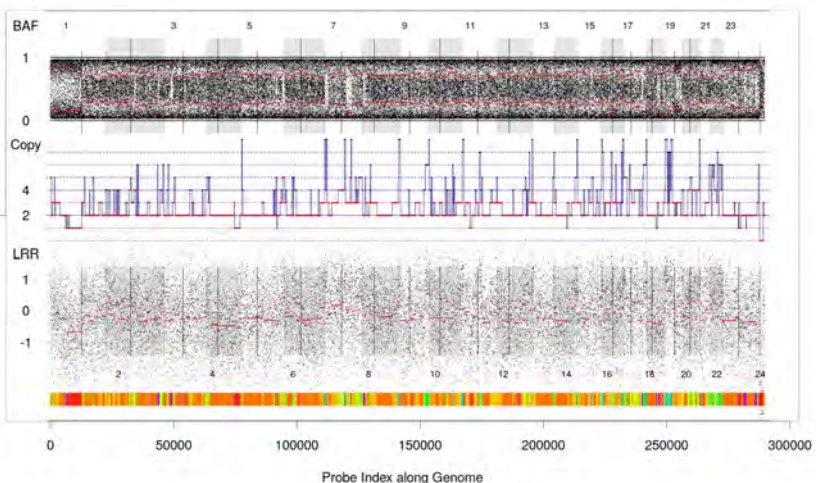
Summary and Centromeres

Break counts >50 = 96 Ploidy detected = 2
 Chromosome counts = 47 % base state = 64
 Centromere counts = 82 % "1" copy loss = 18
 DNA index = 0.86 % accrued homo = 35

Chr	Copy	B allele	SNPs	Chr	Copy	B allele	SNPs
1 p	1	1	5759	12 p	2	1	1369
1 q	2	1	3237	12 q	2	1	8628
2 p	2	1	307	13 q	2	1	8628
2 q	2	2	199	14 q	2	1	4575
3 p	2	2	88	15 q	6	6	25
3 q	2	1	1195	16 p	2	2	104
4 p	2	1	4071	16 q	3	2	2183
4 q	2	1	3845	17 p	2	2	831
5 p	2	1	3274	17 q	1	1	1130
5 q	2	1	11109	18 p	1	1	2043
6 p	2	1	28	18 q	1	0	255
6 q	1	1	215	19 p	5	0	16
7 p	2	1	6802	19 q	1	1	297
7 q	3	0	139	20 p	2	1	3324
8 p	2	1	4849	20 q	2	1	4126
8 q	2	1	3284	22 q	2	1	3282
9 p	1	1	1169	23 p	0	0	6605
9 q	2	1	6542	23 q	0	0	7606
10 p	2	1	4241	24 p	0	0	351
10 q	2	1	2406	24 q	0	0	834
11 p	6	5	67				
11 q	2	1	774				

Patient 11

Primary tumor

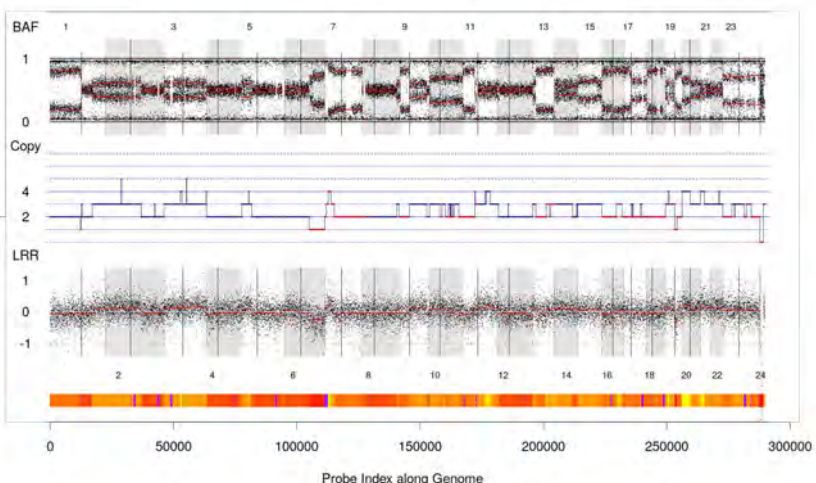


Summary and Centromeres

Break counts >50 = 368 Ploidy detected = 4
 Chromosome counts = 66 % base state = 0
 Centromere counts = 119 % "1" copy loss = 55
 DNA index = 1.33 % accrued homo = 87

Chr	Copy	B allele	SNPs	Chr	Copy	B allele	SNPs
1 p	1	1	5083	12 p	4	0	26
1 q	3	3	165	12 q	2	2	1434
2 p	4	4	714	13 q	3	3	1472
2 q	5	5	220	14 q	3	3	528
3 p	2	2	1637	15 q	3	3	1336
3 q	2	2	870	16 p	3	3	152
4 p	2	2	3214	16 q	3	3	1229
4 q	2	2	6615	17 p	4	3	445
5 p	2	2	5761	17 q	7	4	30
5 q	2	2	1943	18 p	2	2	2043
6 p	2	2	795	18 q	2	2	1602
6 q	2	2	3929	19 p	3	3	855
7 p	4	4	1319	19 q	2	2	439
7 q	4	4	1159	20 p	4	4	932
8 p	3	3	1427	20 q	5	5	662
8 q	3	3	1049	22 q	4	4	418
9 p	4	3	404	23 p	2	1	23
9 q	2	2	571	23 q	3	0	133
10 p	3	3	161	24 p	0	0	351
10 q	3	3	782	24 q	0	0	1043
11 p	3	3	639				
11 q	2	2	576				

Oligosarcoma



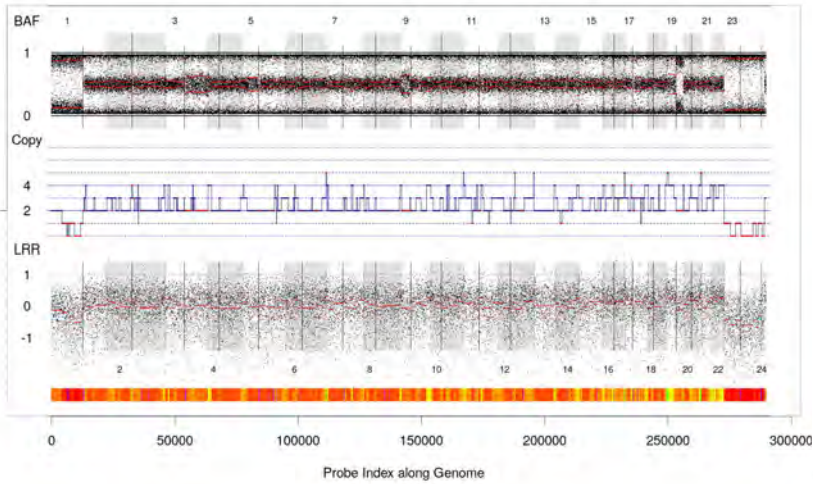
Summary and Centromeres

Break counts >50 = 150 Ploidy detected = 2
 Chromosome counts = 56.5 % base state = 28
 Centromere counts = 101 % "1" copy loss = 2
 DNA index = 1.22 % accrued homo = 32

Chr	Copy	B allele	SNPs	Chr	Copy	B allele	SNPs
1 p	2	2	181	12 p	2	1	265
1 q	3	2	128	12 q	2	1	6334
2 p	3	2	3652	13 q	3	2	1281
2 q	3	2	272	14 q	3	2	7341
3 p	3	3	109	15 q	3	2	9792
3 q	3	2	493	16 p	2	2	175
4 p	2	1	4518	16 q	2	2	1471
4 q	2	1	5663	17 p	2	2	54
5 p	2	1	2231	17 q	3	2	403
5 q	2	1	7412	18 p	2	2	2043
6 p	2	1	1748	18 q	2	0	177
6 q	2	1	3418	19 p	3	3	299
7 p	2	2	2905	19 q	1	1	1002
7 q	2	2	8467	20 p	4	3	3324
8 p	2	1	1647	20 q	3	3	114
8 q	2	1	3762	22 q	3	3	157
9 p	2	2	1154	23 p	3	2	1716
9 q	3	2	7025	23 q	3	2	2058
10 p	3	2	4241	24 p	0	0	351
10 q	3	2	61	24 q	0	0	1043
11 p	4	0	22				
11 q	3	2	2708				

Patient 13

Primary tumor

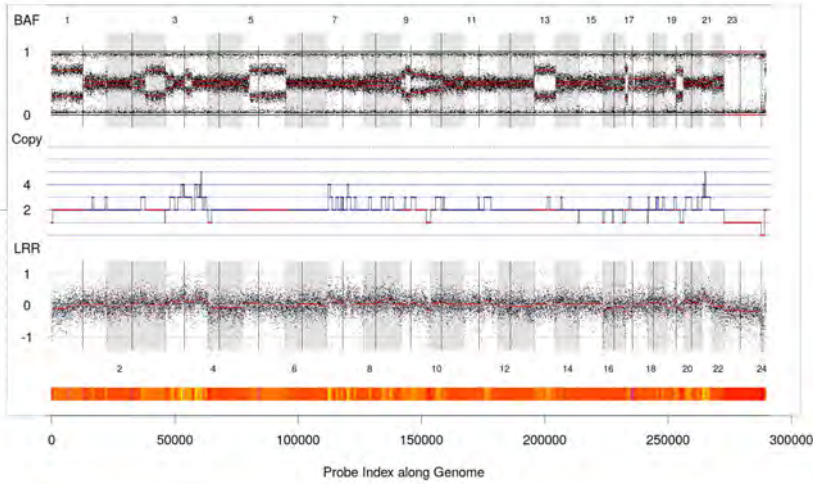


Summary and Centromeres

Break counts >50 = 275 Ploidy detected = 2
Chromosome counts = 58.5 % base state = 48
Centromere counts = 105 % '1' copy loss = 4
DNA index = 1.14 % accrued homo = 20

Chr	Copy	B allele	SNPs	Chr	Copy	B allele	SNPs
1p	1	1	1011	12p	2	1	2670
1q	2	2	156	12q	3	2	125
2p	3	2	723	13q	2	1	8008
2q	4	4	222	14q	3	2	713
3p	3	3	149	15q	2	2	695
3q	2	1	247	16p	4	4	454
4p	2	1	3127	16q	2	0	123
4q	3	2	574	17p	3	2	390
5p	2	2	222	17q	5	3	56
5q	2	1	124	18p	3	2	1047
6p	2	1	815	18q	2	2	122
6q	2	1	3773	19p	3	2	909
7p	2	1	3740	19q	2	2	419
7q	3	2	294	20p	4	2	381
8p	3	2	220	20q	3	2	2287
8q	3	2	152	22q	4	4	419
9p	3	2	404	23p	1	1	1664
9q	2	1	2141	23q	1	0	317
10p	3	2	505	24p	1	0	351
10q	3	2	768	24q	0	0	834
11p	2	2	580				
11q	2	1	718				

Oligosarcoma

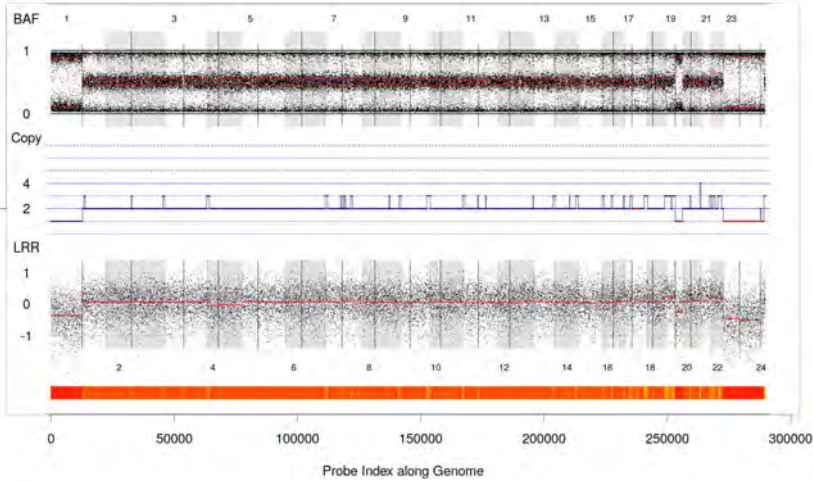


Summary and Centromeres

Break counts >50 = 156 Ploidy detected = 2
Chromosome counts = 50.5 % base state = 53
Centromere counts = 92 % '1' copy loss = 7
DNA index = 1.05 % accrued homo = 32

Chr	Copy	B allele	SNPs	Chr	Copy	B allele	SNPs
1p	2	2	5385	12p	2	1	4790
1q	2	1	478	12q	2	1	9456
2p	2	1	10133	13q	2	2	5444
2q	2	0	283	14q	2	1	2060
3p	3	0	128	15q	2	1	9792
3q	3	2	2885	16p	2	2	235
4p	2	1	3137	16q	2	1	3600
4q	2	1	9653	17p	2	1	442
5p	2	2	219	17q	4	1	188
5q	2	2	202	18p	4	2	53
6p	2	1	1749	18q	2	1	1005
6q	2	1	6966	19p	3	2	184
7p	2	1	303	19q	2	1	1565
7q	6	3	42	20p	3	2	2298
8p	2	1	1794	20q	2	1	661
8q	2	1	2348	22q	3	0	58
9p	2	1	2079	23p	1	1	6605
9q	2	1	153	23q	1	1	8438
10p	3	2	2305	24p	0	0	351
10q	2	2	268	24q	0	0	833
11p	4	2	98				
11q	2	1	1534				

Primary tumor

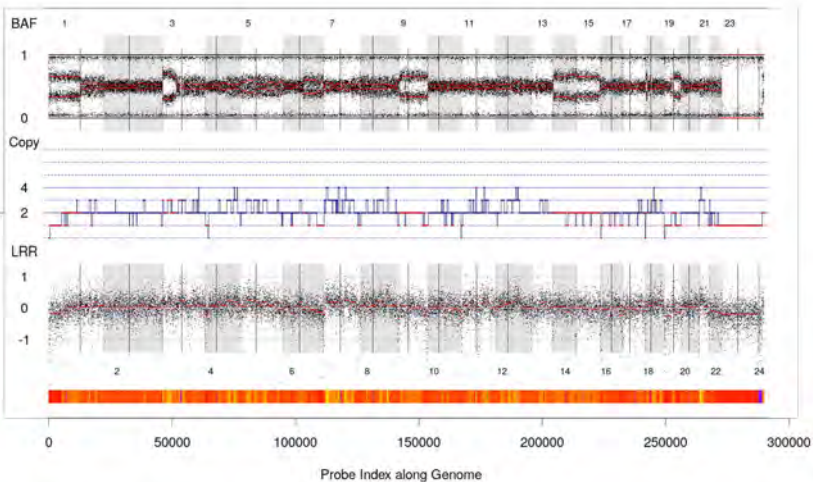


Summary and Centromeres

Break counts >50 = 119 Ploidy detected = 2
Chromosome counts = 46 % base state = 76
Centromere counts = 84 % '1' copy loss = 10
DNA index = 1 % accrued homo = 14

Chr	Copy	B allele	SNPs	Chr	Copy	B allele	SNPs
1p	1	1	12779	12p	2	2	164
1q	2	2	84	12q	2	2	100
2p	2	1	5509	13q	2	1	8049
2q	3	2	272	14q	2	1	4656
3p	2	2	500	15q	2	1	2530
3q	2	2	124	16p	2	2	143
4p	2	1	3645	16q	2	2	123
4q	2	2	158	17p	3	3	173
5p	2	2	180	17q	2	1	141
5q	2	1	11109	18p	2	2	111
6p	2	2	118	18q	2	2	517
6q	2	1	9590	19p	3	2	1223
7p	2	1	370	19q	1	1	2939
7q	2	1	373	20p	3	3	394
8p	2	1	4849	20q	2	1	37
8q	2	2	267	22q	2	1	179
9p	2	1	3736	23p	1	1	6605
9q	2	1	6685	23q	1	1	8438
10p	2	2	147	24p	2	2	351
10q	2	2	213	24q	1	1	833
11p	3	3	294				
11q	2	1	2967				

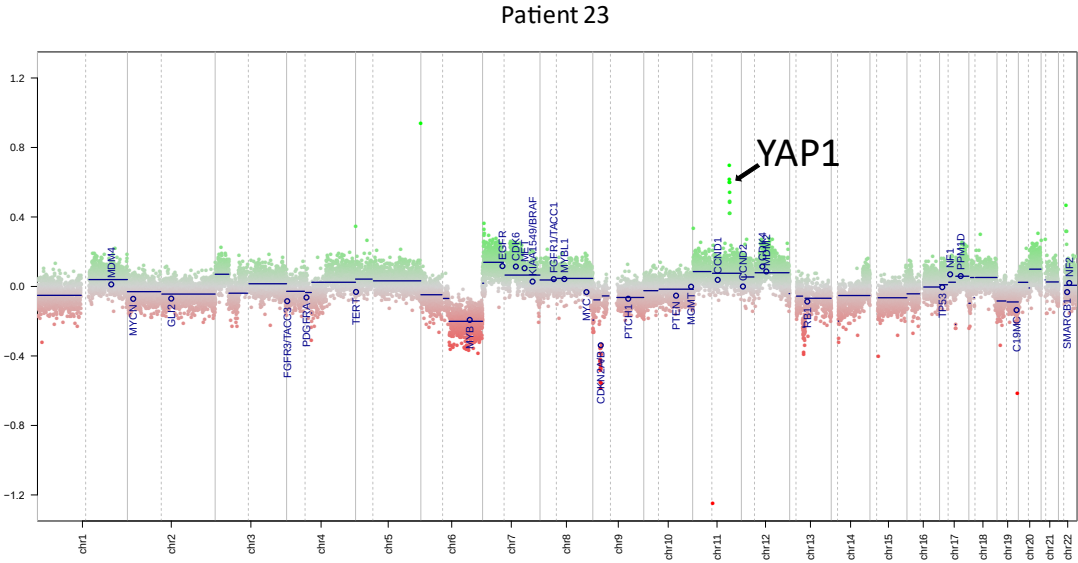
Oligosarcoma

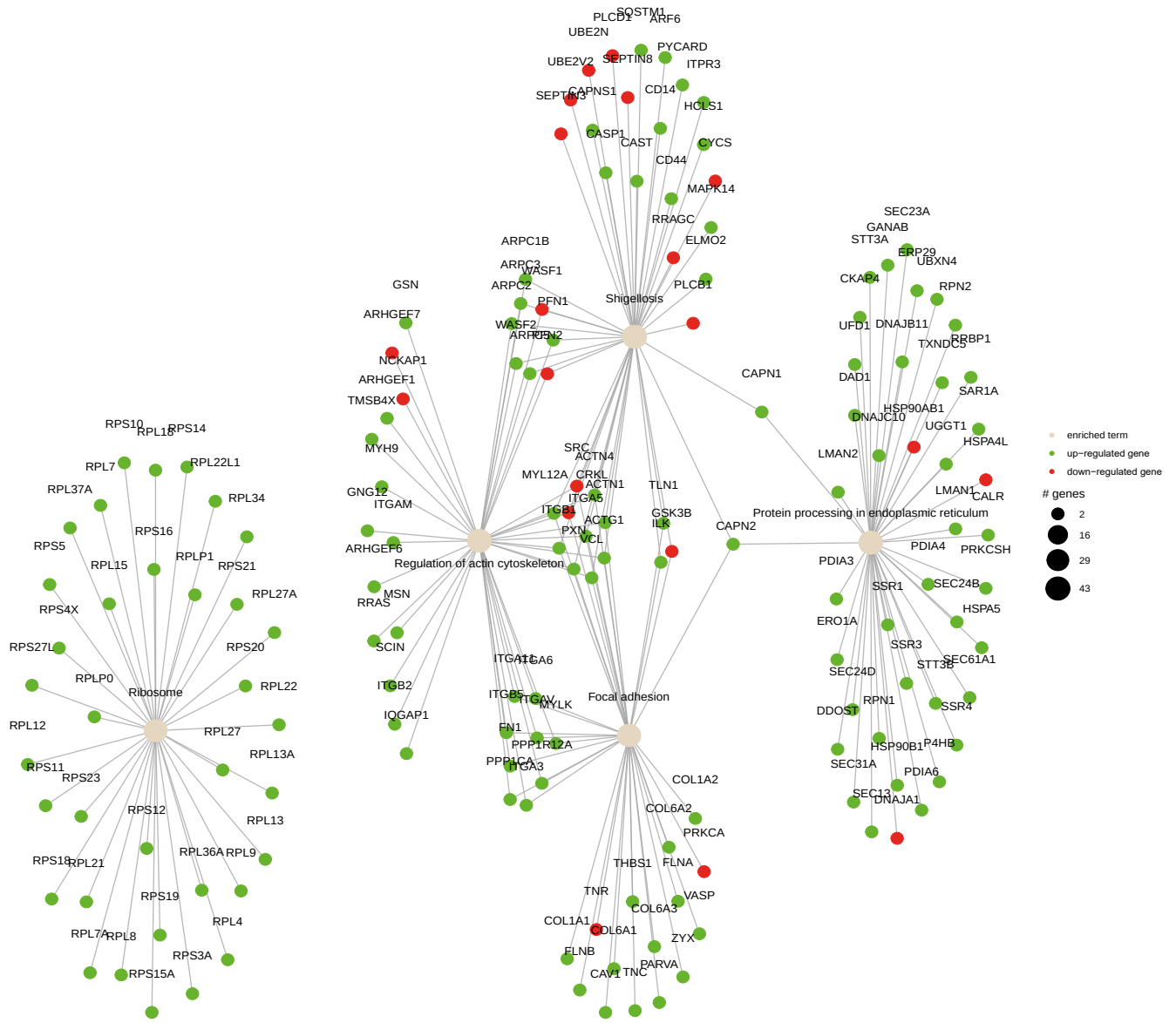


Summary and Centromeres

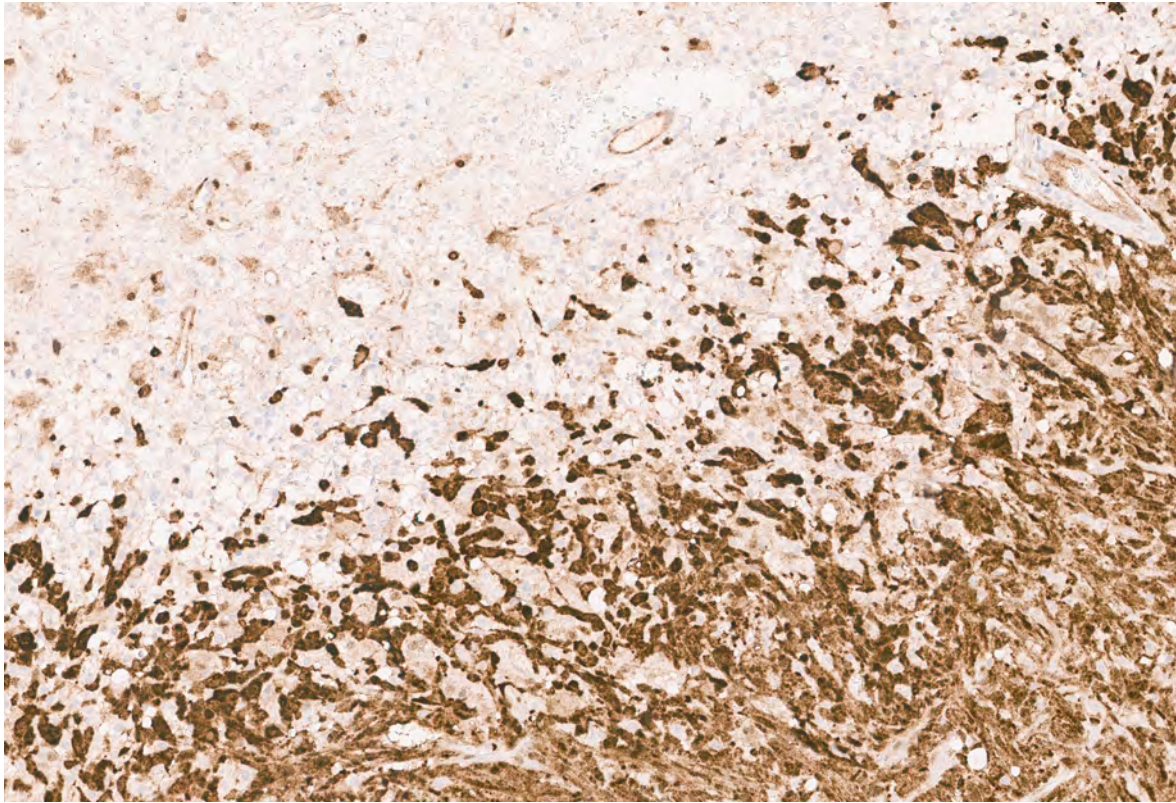
Break counts >50 = 339 Ploidy detected = 2
Chromosome counts = 52 % base state = 49
Centromere counts = 95 % '1' copy loss = 14
DNA index = 1.02 % accrued homo = 34

Chr	Copy	B allele	SNPs	Chr	Copy	B allele	SNPs
1p	2	2	1161	12p	3	2	238
1q	2	1	2978	12q	3	2	1433
2p	2	1	3588	13q	2	1	1754
2q	1	1	189	14q	2	2	5103
3p	3	0	500	15q	2	2	2605
3q	2	1	136	16p	2	1	199
4p	2	1	3139	16q	2	1	289
4q	2	0	158	17p	2	1	70
5p	3	2	334	17q	2	1	515
5q	3	2	491	18p	3	0	59
6p	2	1	1738	18q	3	0	165
6q	3	2	785	19p	2	2	734
7p	2	1	302	19q	2	2	582
7q	6	4	55	20p	2	1	119
8p	2	1	1018	20q	2	1	3781
8q	2	0	200	22q	3	2	107
9p	2	2	539	23p	1	1	6605
9q	2	2	5288	23q	1	1	8438
10p	2	1	4241	24p	1	0	351
10q	2	0	102	24q	1	0	833
11p	4	4	292				
11q	3	0	51				





PathfindR analysis of the proteome of oligosarcoma versus oligodendroglioma grade 3. Dendrogram showing enriched pathways. Green marked proteins are upregulated and red marked proteins are down-regulated in oligosarcoma.



Immunohistochemistry shows strong expression of YAP1 in tumor cells of the oligosarcoma component but not in the oligodendroglioma component.