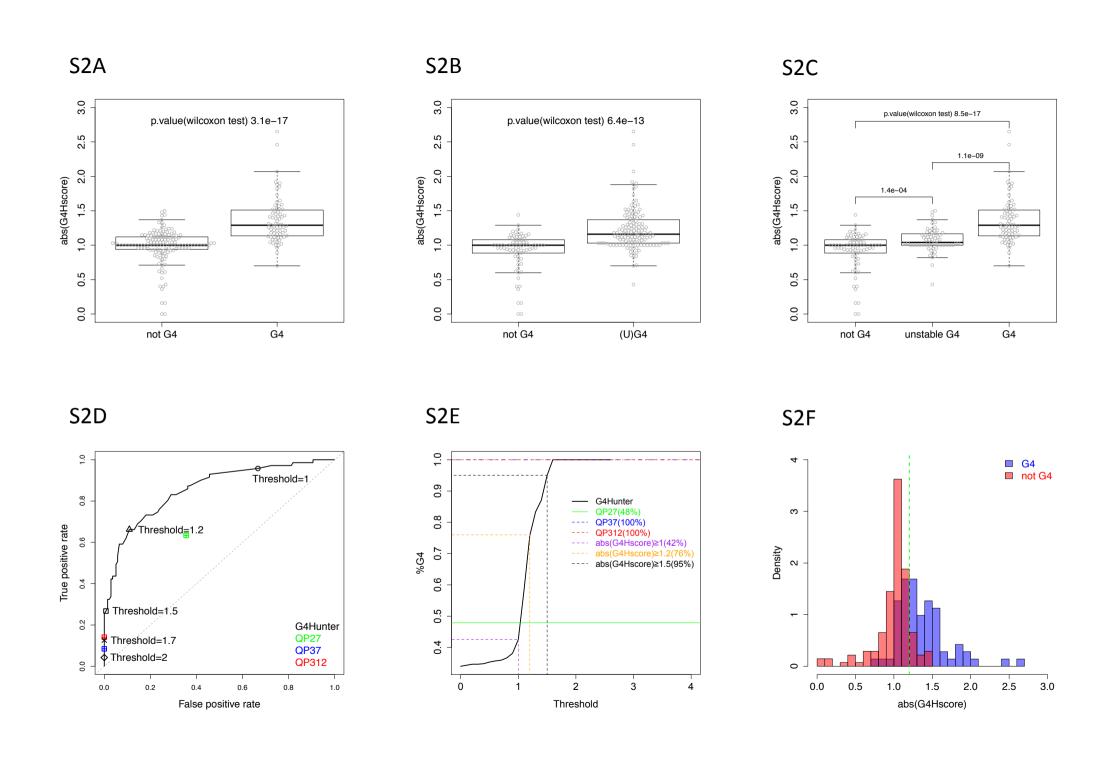


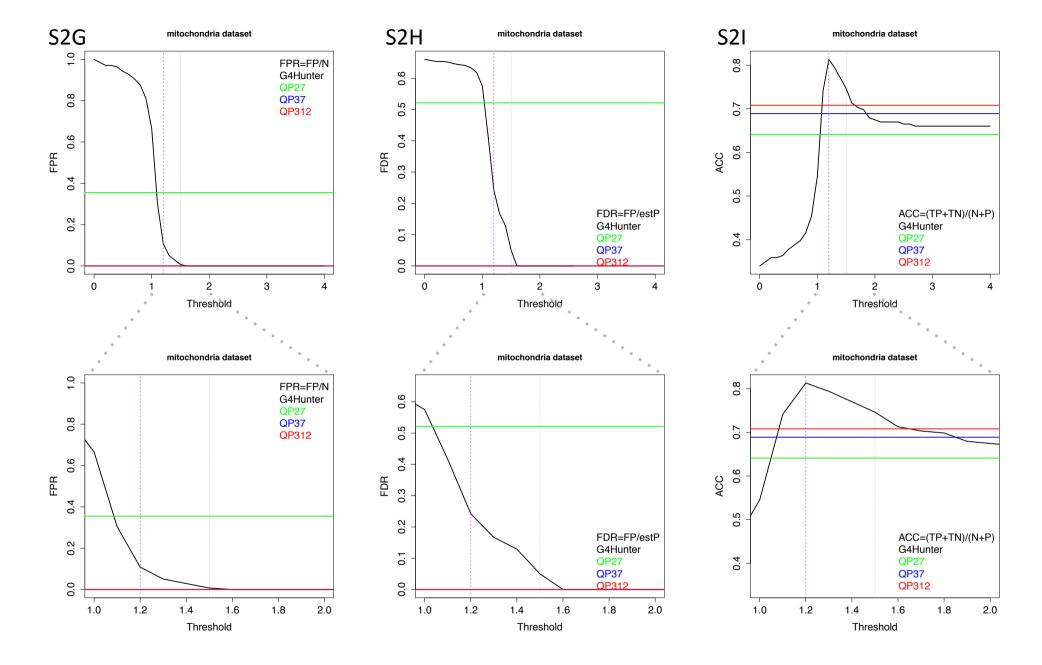
Classical examples:

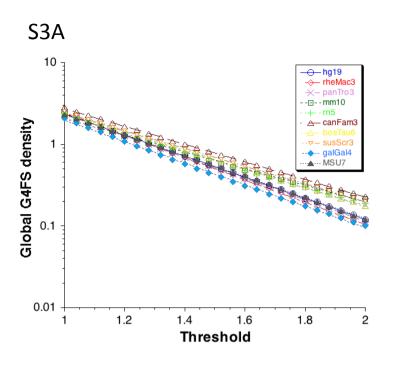
21g	GGGTTAGGGTTAGGG	1.71
A22g	AGGGTTAGGGTTAGGG	1.64
cMYC	TGAGGGTGGGTAA	1.68
27Kras	GGGCGGTGTGGGAAGAGGGGG	1.81
cKit1	GGGAGGCGCTGGGAGGAGGG	1.86
cKit2GG	GGGCGGCGCGAGGGAGGGG	2.1
Oxy28	GGGGTTTTGGGGTTTTGGGG	2.29
22Agm4	ATGGTTAGTGTTAGGTTTAGTG	0.55
CGG12	(CGG)12	1
ds26	CAATCGGATCGAATTCGATCCGATTG	0
21Ctel	CCCTAACCCTAACCC	-1.71

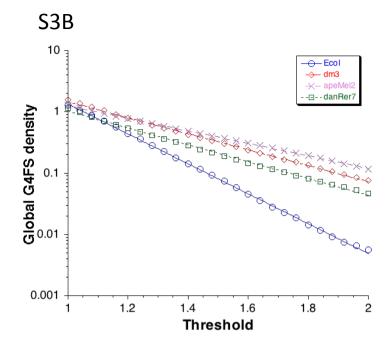
G4Hunter on a long sequence

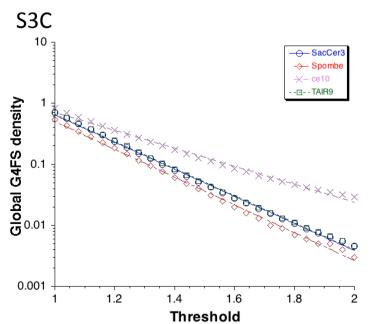
GAGGACAAGGAGGTGCGAGGAAAGGGGTTGGGGGATGGTCCCACAGGCAGCCACACCTGAGGCGTGGGCGGCCGGTAGGAGCTGGGGGAGGGCG **GGAGAAGAGGGGTTTCTGTGTAGA** (1) G4Hunter translate 1 0 2 2 0 - 1 0 0 2 2 0 2 2 0 1 - 1 1 0 2 2 0 0 0 4 4 4 4 4 0 0 4 4 4 4 4 0 0 2 2 0 - 3 - 3 - 3 0 - 1 0 2 2 - 1 0 1 - 2 - 2 0 - 1 0 - 2 - 2 0 1 0 2 2 - 1 1 0 3 3 3 - 1 2 2 - 2 - 2 2 2 0 0 2 2 0 1 - 1 0 4 4 4 4 4 0 3 3 3 - 1 4 4 4 4 0 1 0 0 1 0 4 4 4 4 4 0 0 0 - 1 0 1 0 1 0 1 0 0 1 0 (2) G4Hscore_windowed (k=25) 1.04 0.80 0.56 0.56 0.52 0.36 0.12 -0.12 -0.28 -0.40 -0.40 -0.32 -0.32 -0.44 -0.40 -0.28 -0.04 0.20 0.32 0.32 0.40 0.40 0.24 0.20 0.28 0.32 0.40 0.48 0.56 0.68 0.68 0.80 0.84 0.84 0.96 1.12 1.20 1.28 1.48 1.44 1.56 1.56 1.56 1.40 1.60 1.68 1.76 2.00 2.08 2.04 **1.96 1.96 2.00 1.92 2.00 2.16 2.28 2.48 2.48 2.32 2.16 1.96 1.80 1.68 1.68 1.60 1.48 1.40 1.44 1.28 1.16 1.00** (3) Window extraction (threshold=1.5) width G4Hscore (window=25) start end [1] 8 17 10 [1.64 1.80 1.88 1.80 1.80 1.80 1.80 1.80 1.64 1.56] [2] [1.56 1.56 1.56] 66 68 3 [3] [1.60 1.68 1.76 2.00 2.08 2.04 1.96 1.96 2.00 1.92 2.00 2.16 2.28 2.48 2.48 2.32 2.16 1.96 1.80 1.68 1.68 1.60] 70 91 22 (4) Sequence extraction width sequence G4Hscore start end [AGGAGGTGCGAGGAAAGGGGTTGGGGGATGGTCC] [1] 41 34 1.44 [2] 66 92 27 [GGGCGGCCGGTAGGAGCTGGGGGAGGG] 1.67 [3] 115 46 [GGCCGGTAGGAGCTGGGGGAGGGCGGGGAGAAGAGGGGTTTCTGTG] 70 1.54 (5) Fusion of overlapping sequences width sequence G4Hscore start end 41 [1] 34 1.44 8 [AGGAGGTGCGAGGAAAGGGGTTGGGGGATGG**TCC**] [2] [GGGCGGCCGGTAGGAGCTGGGGGAGGGGGGGGGAGAAGAGGGGGTTTCTGTG] 115 50 66 1.58 (6) Extremity repair and final G4Hscore computation G4Hscore start end sequence 38 [1] GGAGGTGCGAGGAAAGGGGTTGGGGGATGG 1.77 [2] 66 115 GGGCGGCCGGTAGGAGCTGGGGGGAGGGGGGGAGAAGAGGGGTTTCTGTG 1.58

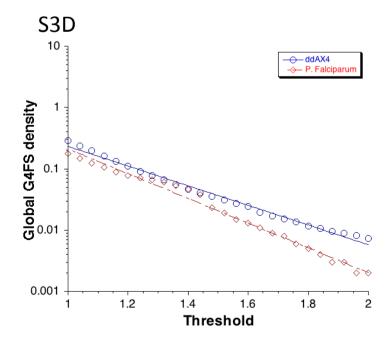


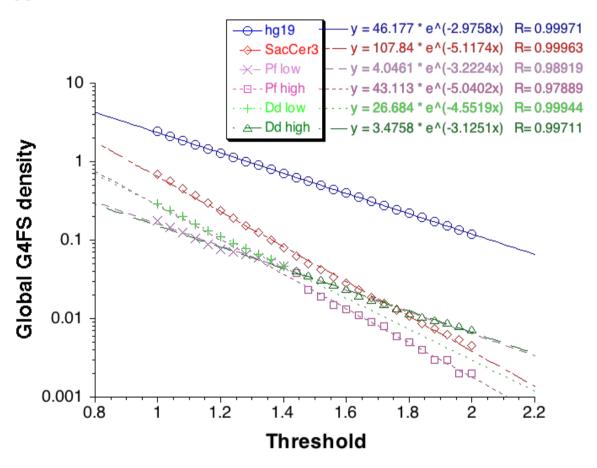


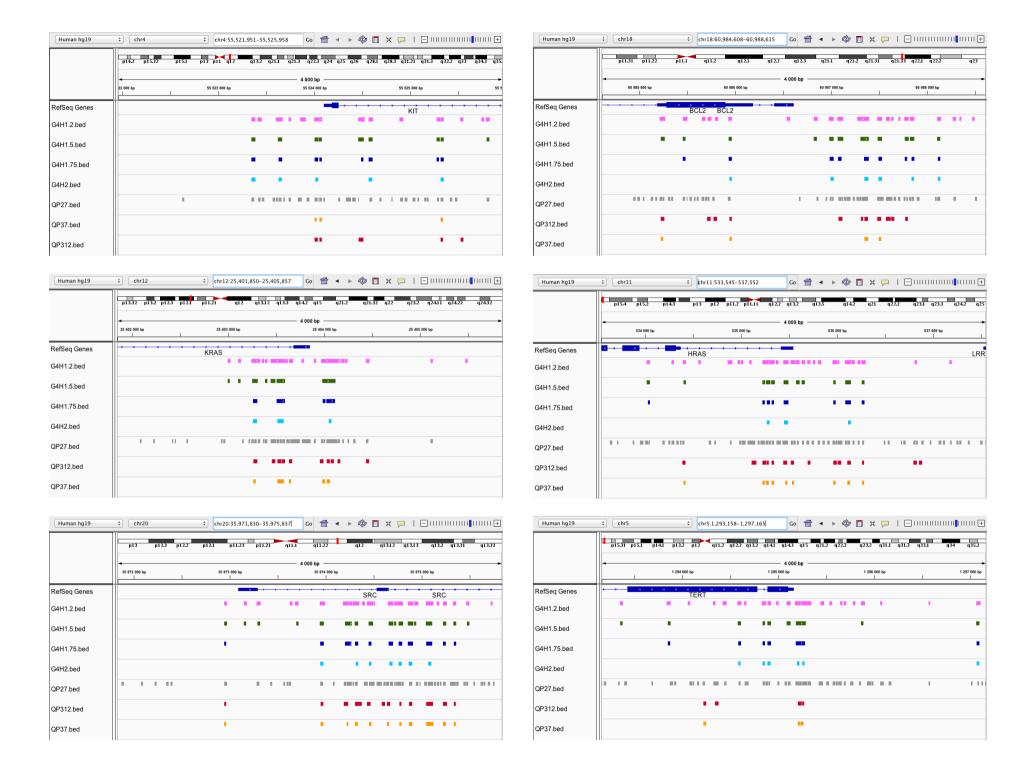




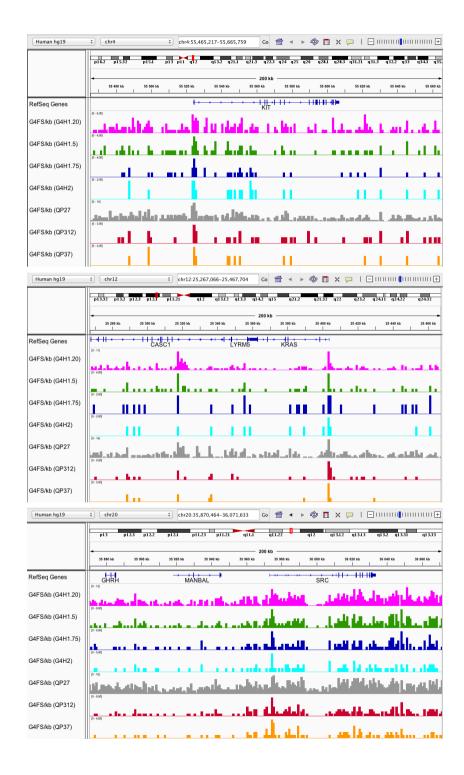


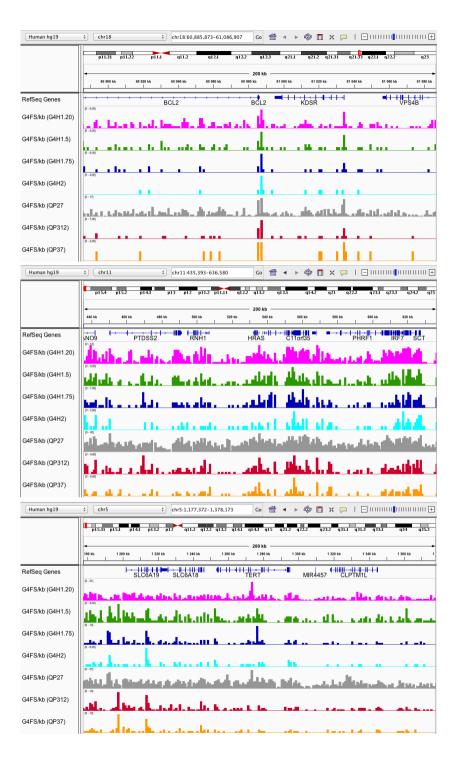






S4B

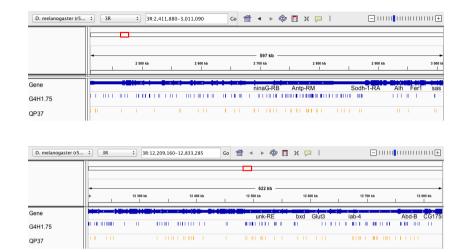




S4C







dm3



rDNA(hg19)

