

FIG. 1A

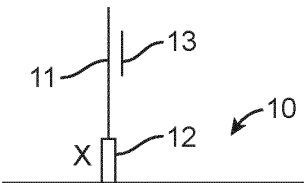


FIG. 1B

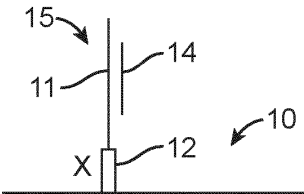


FIG. 1C

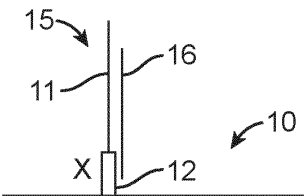


FIG. 1D

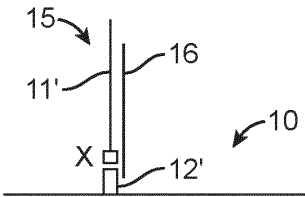


FIG. 1E

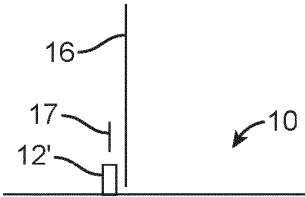


FIG. 1F

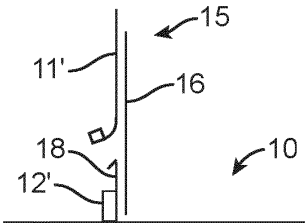
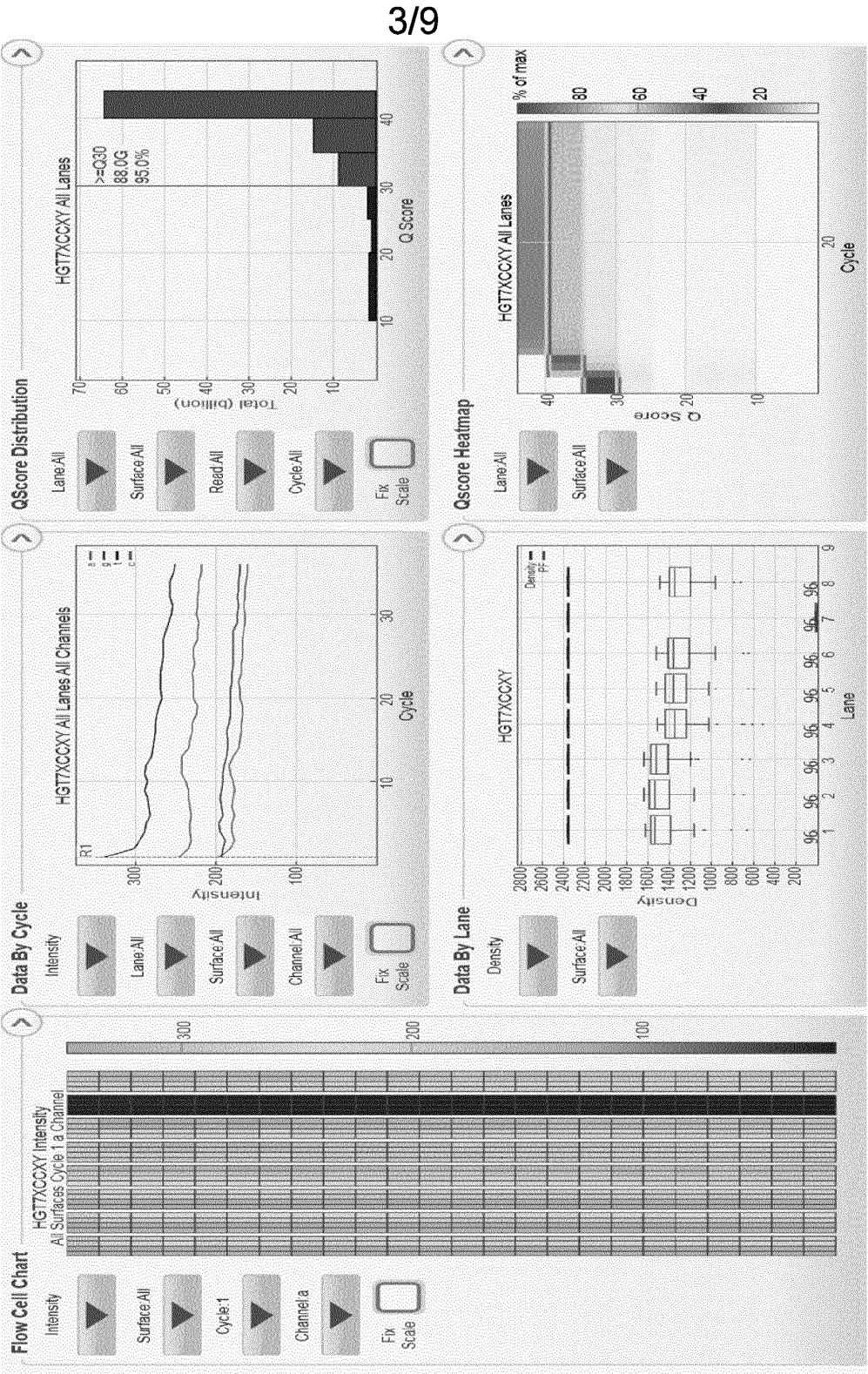


FIG. 1G

Fig. 2A

Lane	Graft	R1 hyb
1	T6-P5/P7	SBS3+T
2	T6-P5/P7	SBS3+T
3	T6-P5/P7	bio-P5-SBS3+T
4	T10-P7 only	SBS3+T
5	T10-P7 only	bio-P5-SBS3+T
6	T10-P7 only	SBS3+T
7	T10-P7 only	Fail
8	T10-P7 only	SBS3+T

Fig. 2B



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Fig. 3A

Lane	Graft	R1 hyb	Extend/Nick	Kinase	Dehyb?	"R2" hyb (40C)
1	T6-P5/P7	SBS3+T	No	No	NaOH	HP10
2	T6-P5/P7	SBS3+T	AMX/PLM2v2	No	T7 exo	HP11
3	T6-P5/P7	bio-P5-SBS3+T	AMX/PLM2v2	No	T7 exo	HP11
4	T10-P7 only	SBS3+T	AMX/PLM2v2	No	T7 exo	HP11
5	T10-P7 only	bio-P5-SBS3+T	AMX/PLM2v2	No	T7 exo	HP11
6	T10-P7 only	SBS3+T	AMX/PLM2v2	PRM	No	No
7	T10-P7 only	Fail	AMX/PLM2v2	No	T7 exo	HP11
8	T10-P7 only	SBS3+T	AMX/PLM2v2	No	No	HP11

Fig. 3B

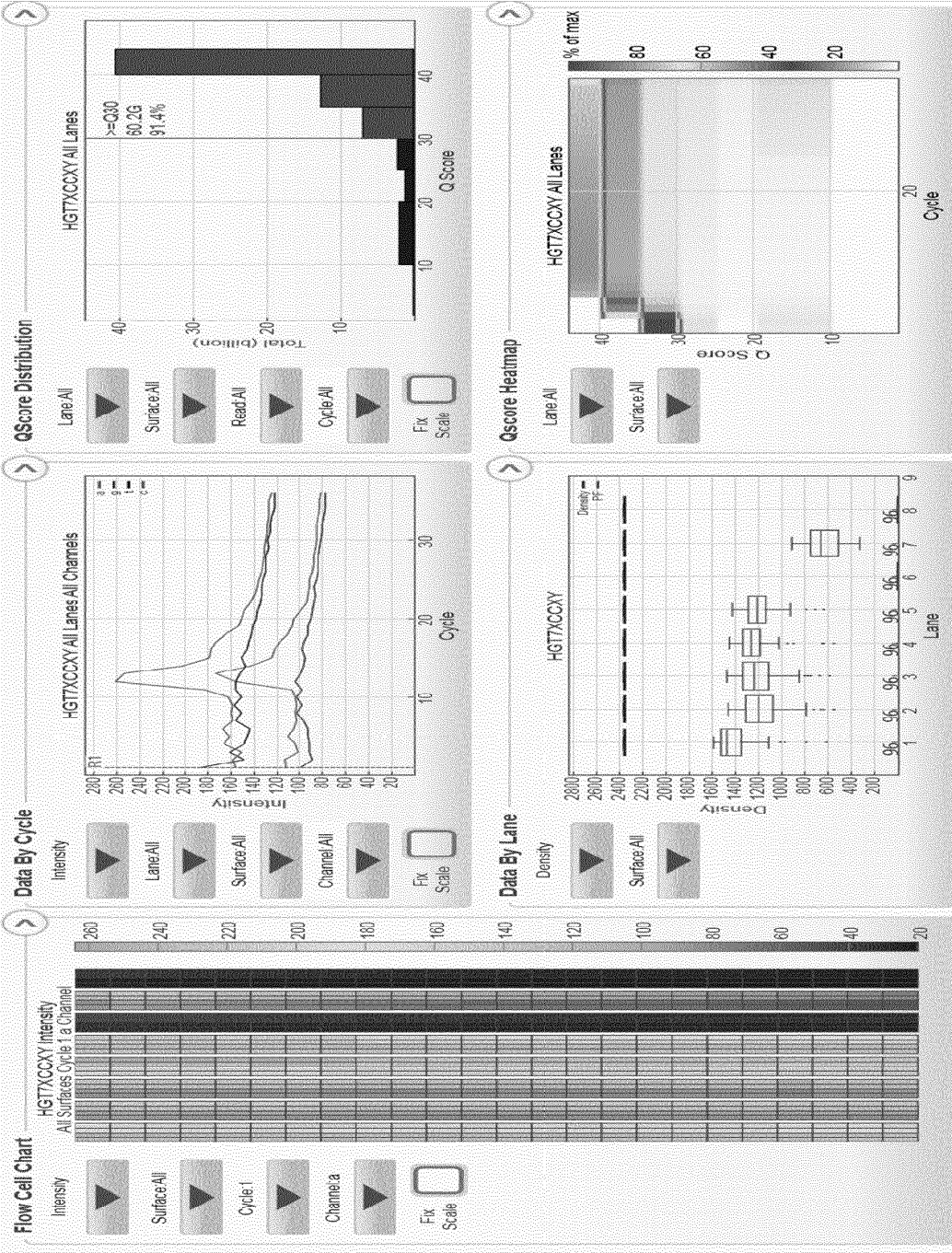


Fig. 4A

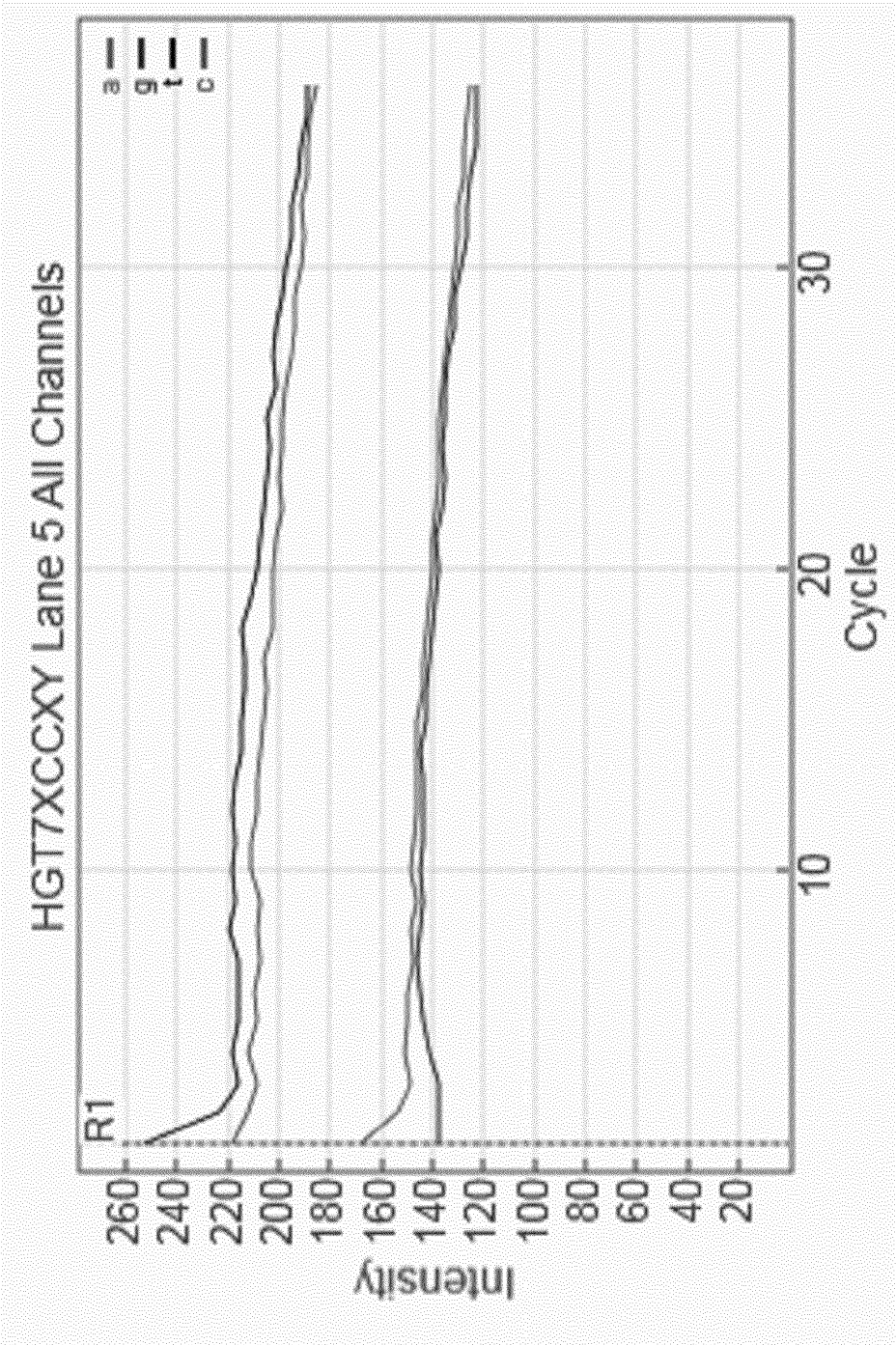


Fig. 4B

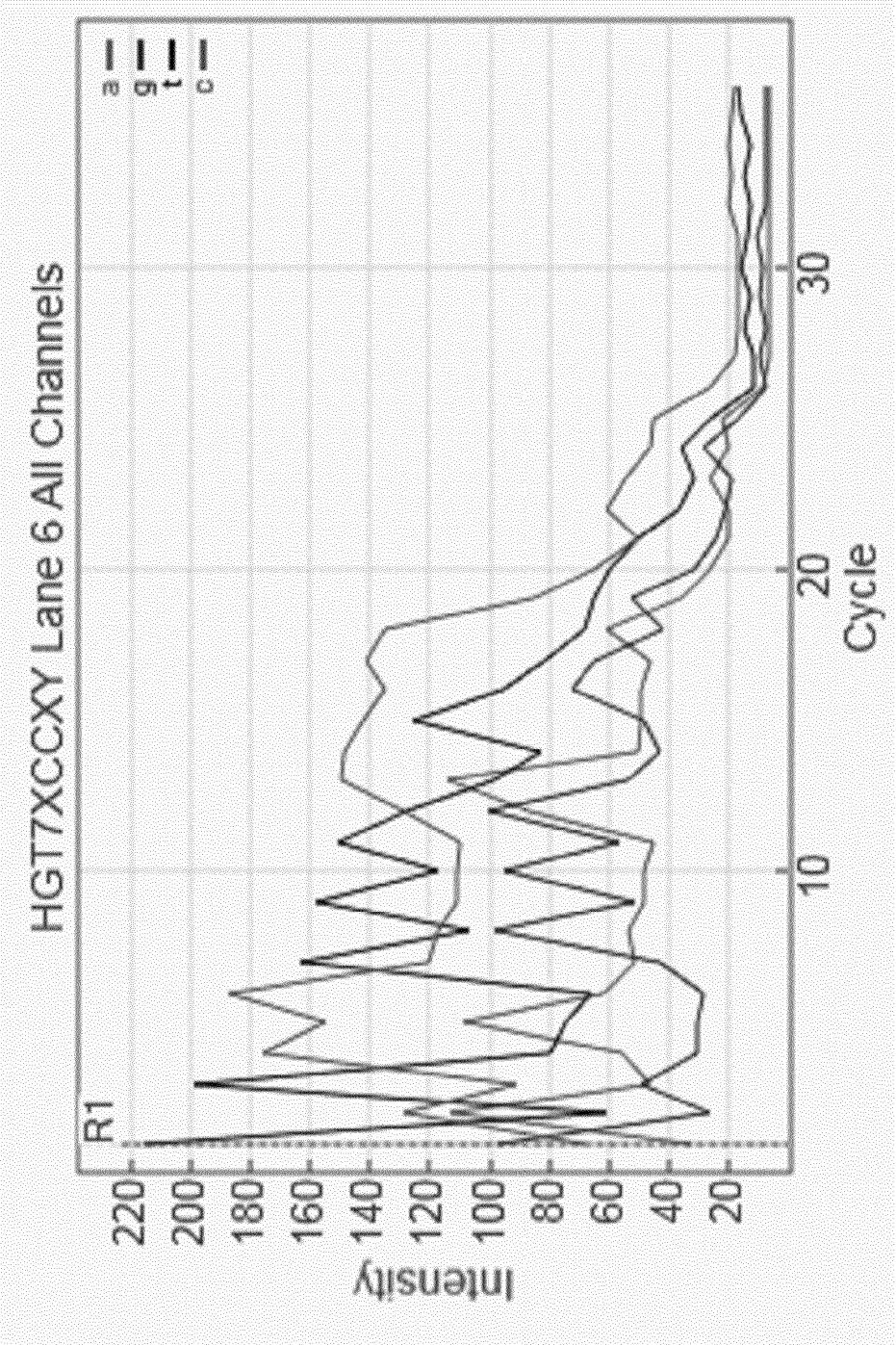


Fig. 5A

Lane	NaOH	Rehyb (40C)
1	Yes	HP10
2	Yes	HP11
3	Yes	HP11
4	Yes	HP11
5	No	No
6	Yes	HP11
7	Yes	HP11
8	Yes	HP11

Fig. 5B

