

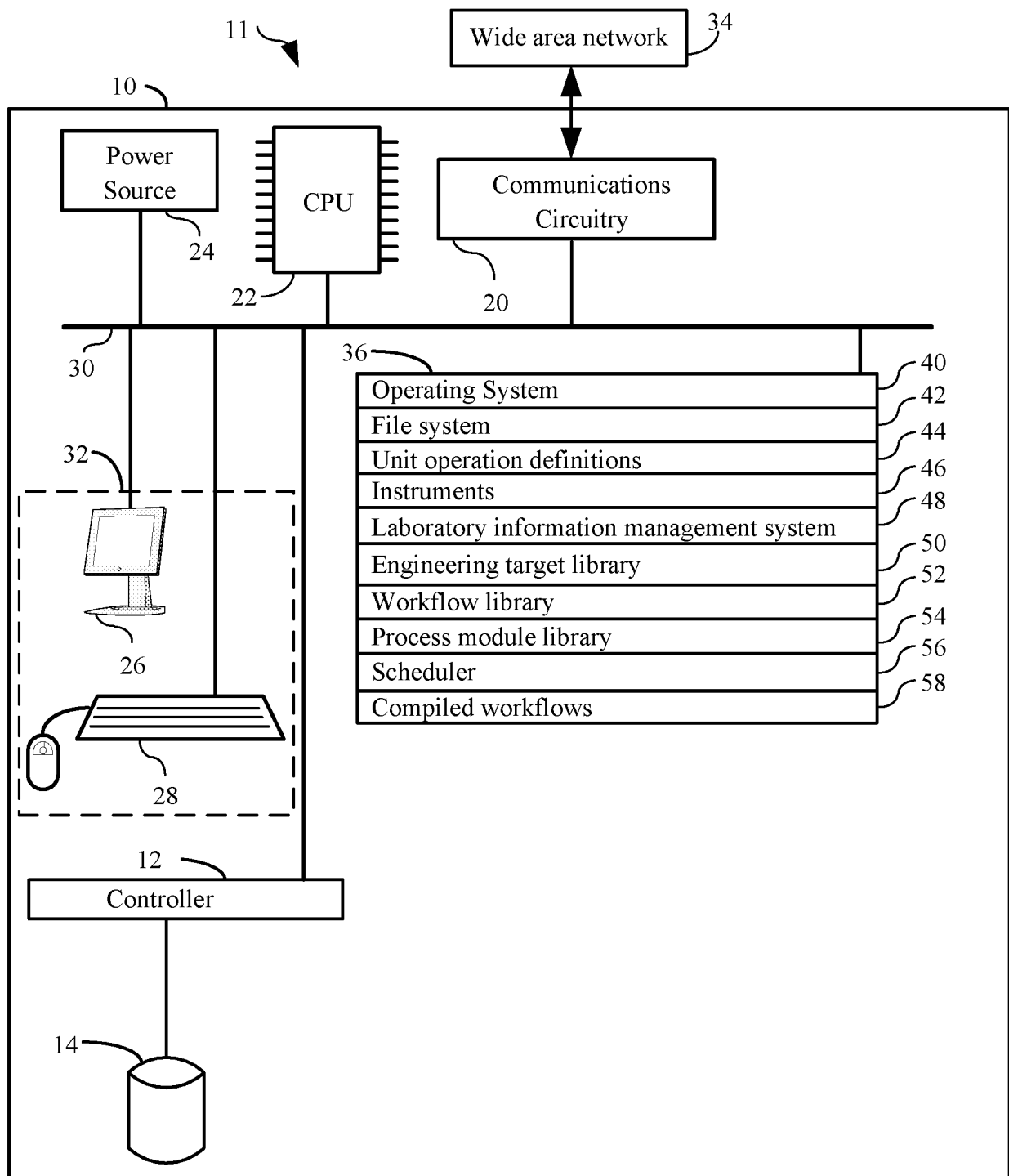


FIG. 1A

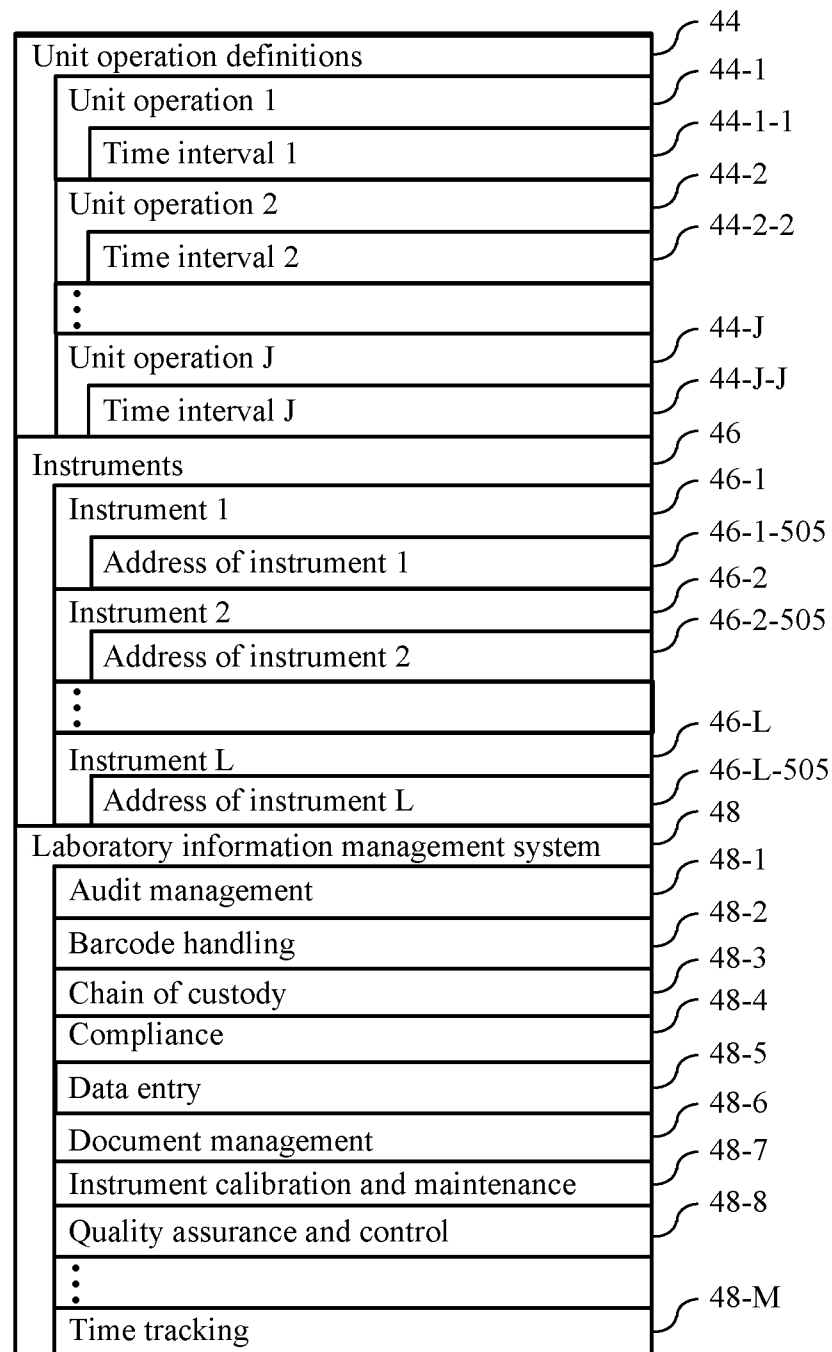


FIG. 1B

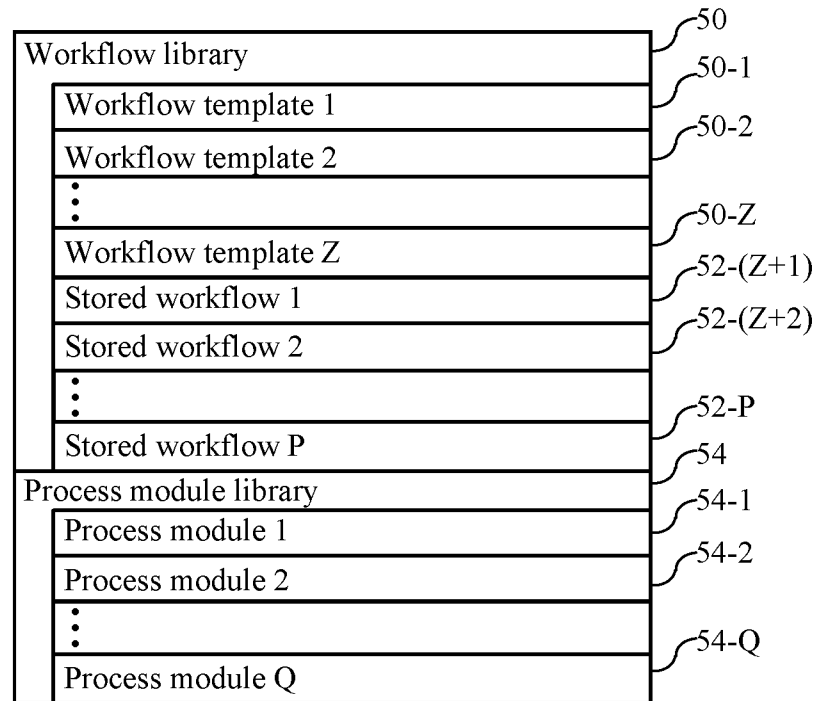


FIG. 1C

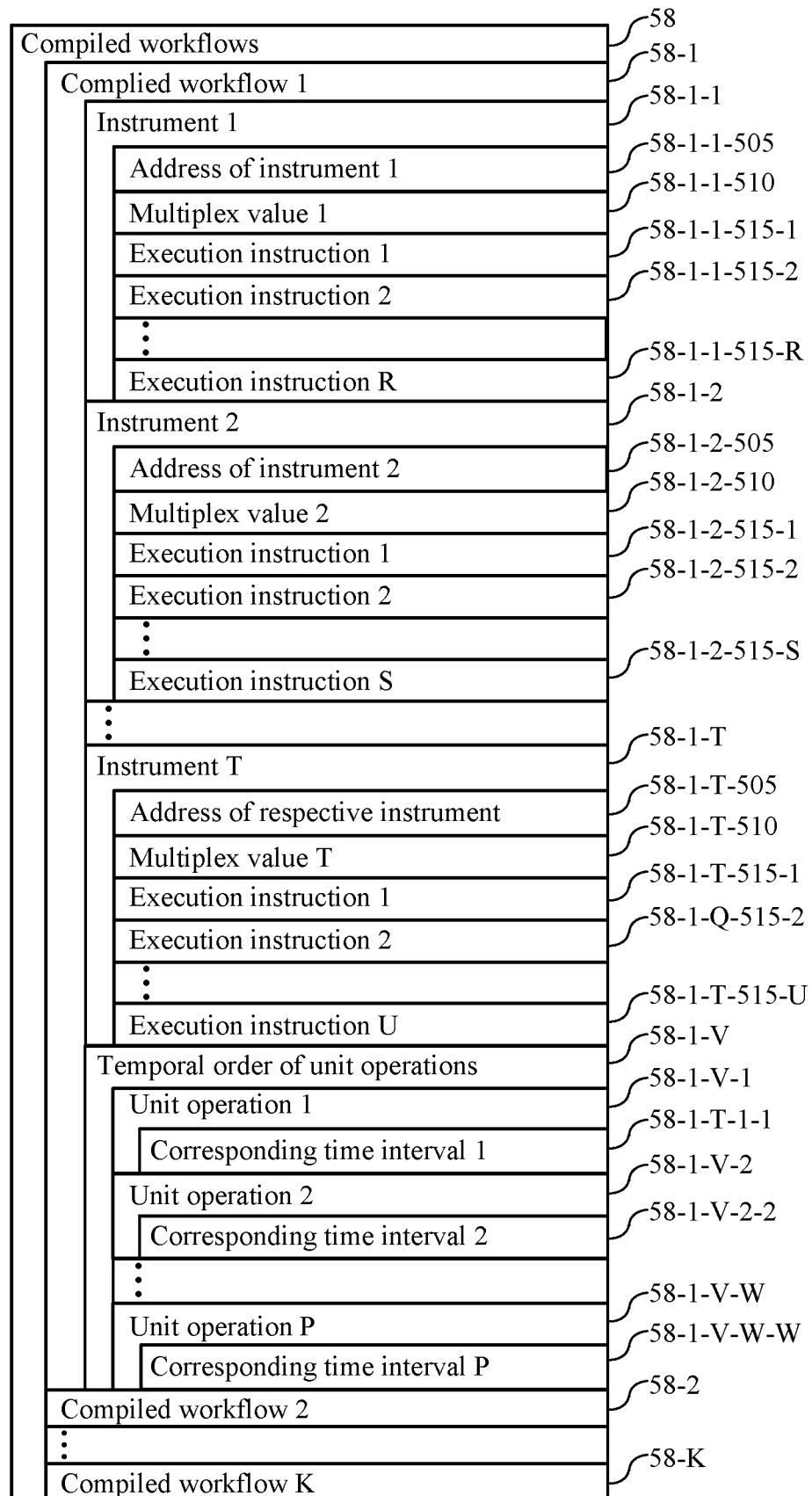


FIG. 1D

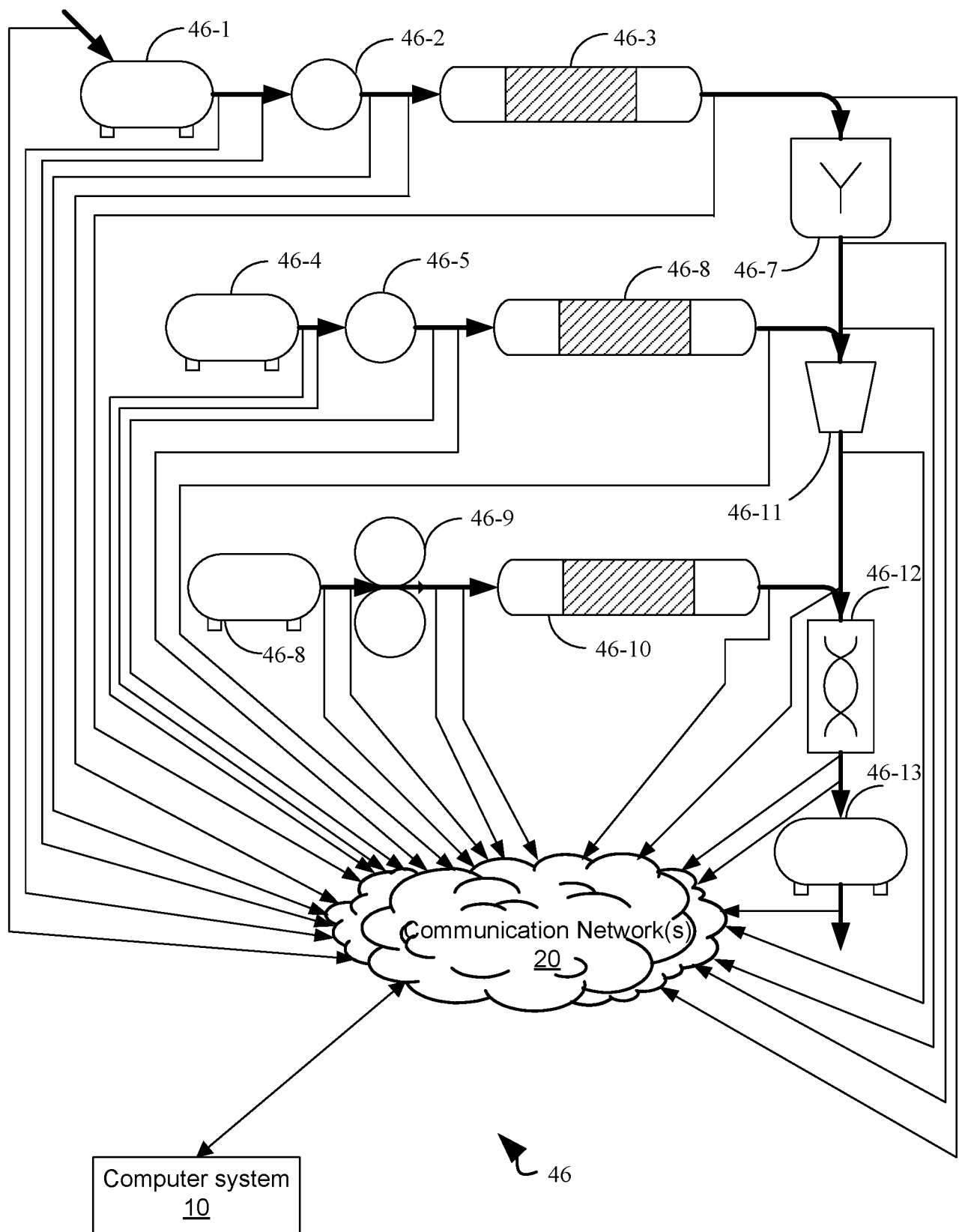


FIG. 2A

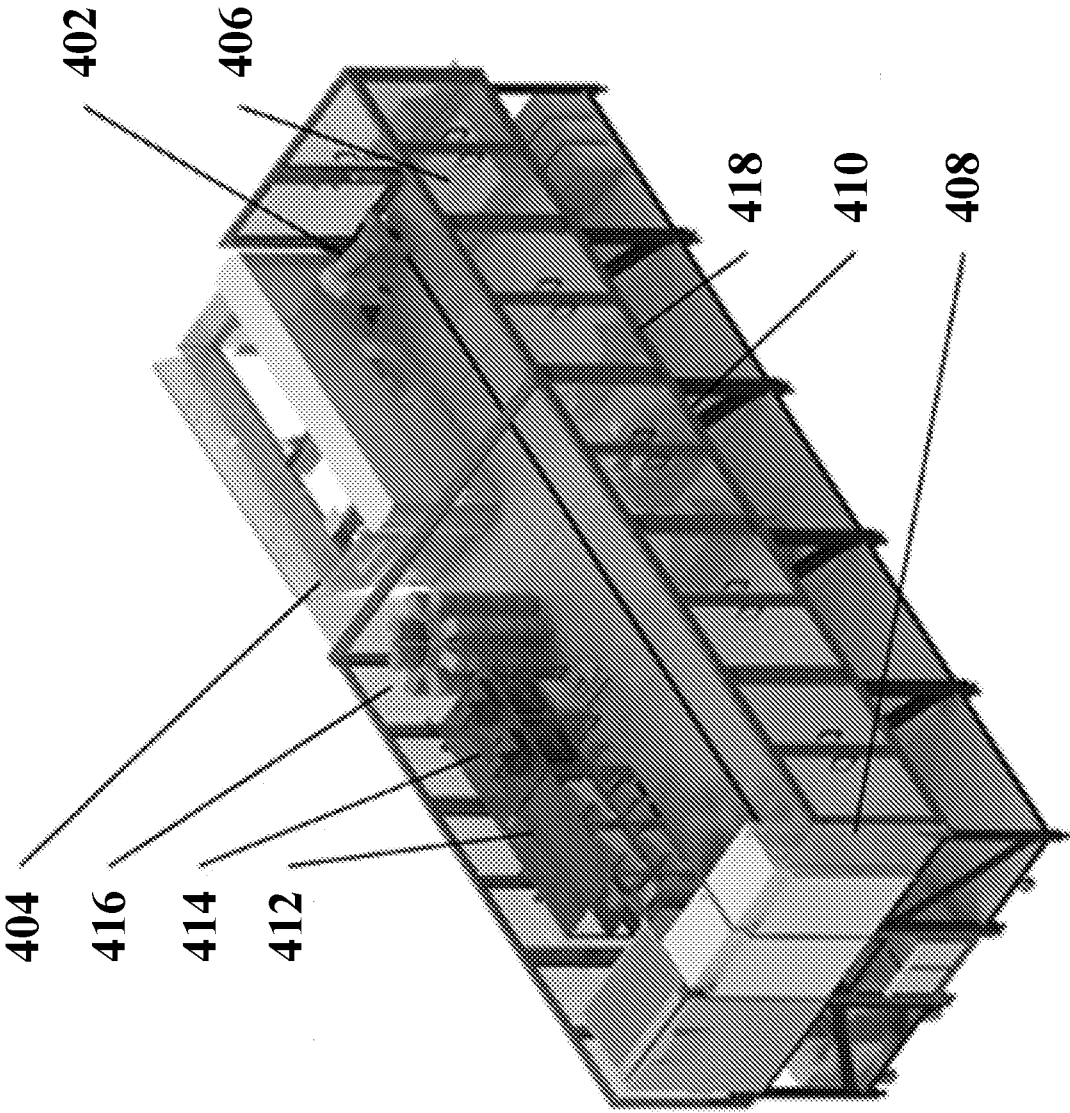


FIG. 2B

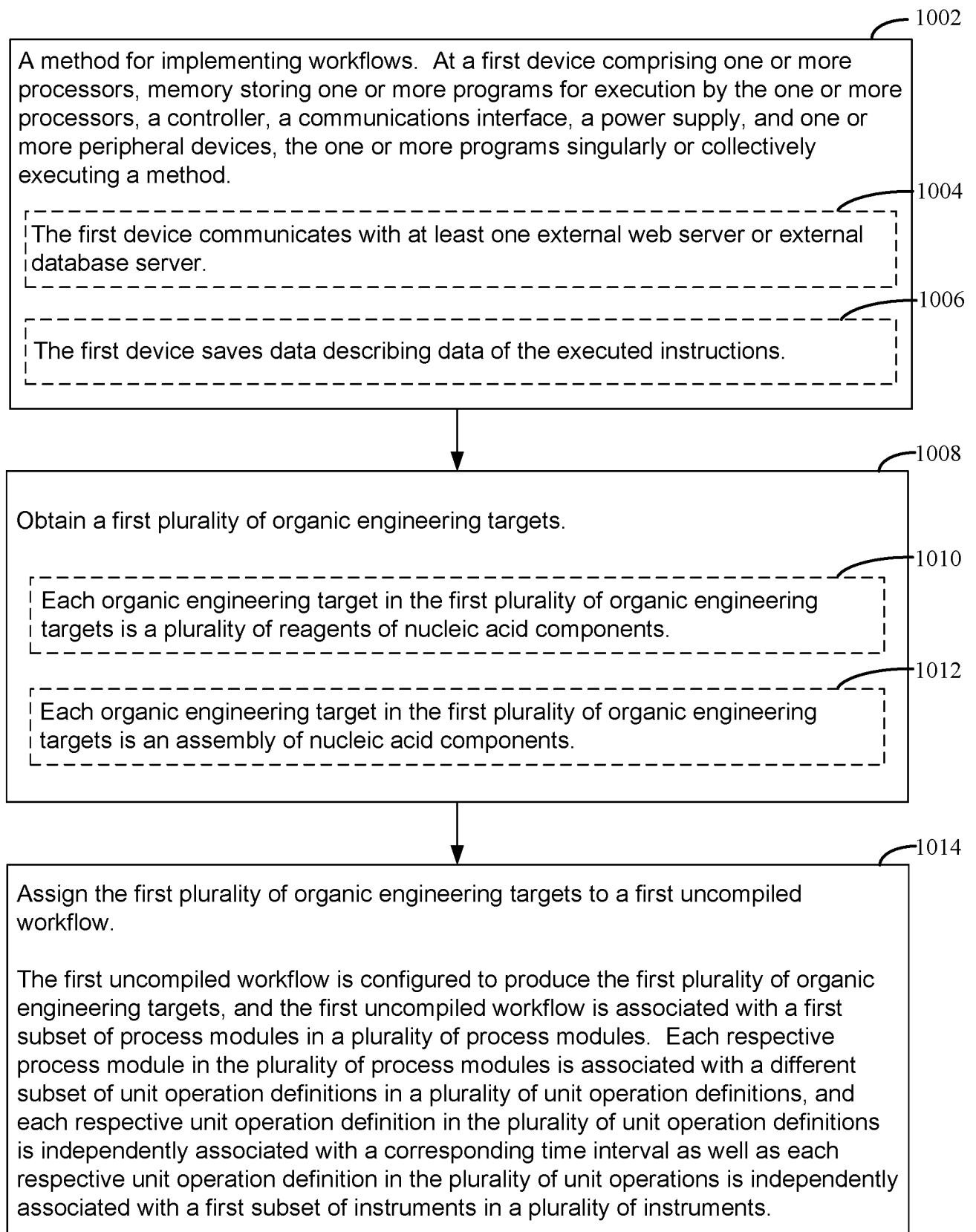


FIG. 3A

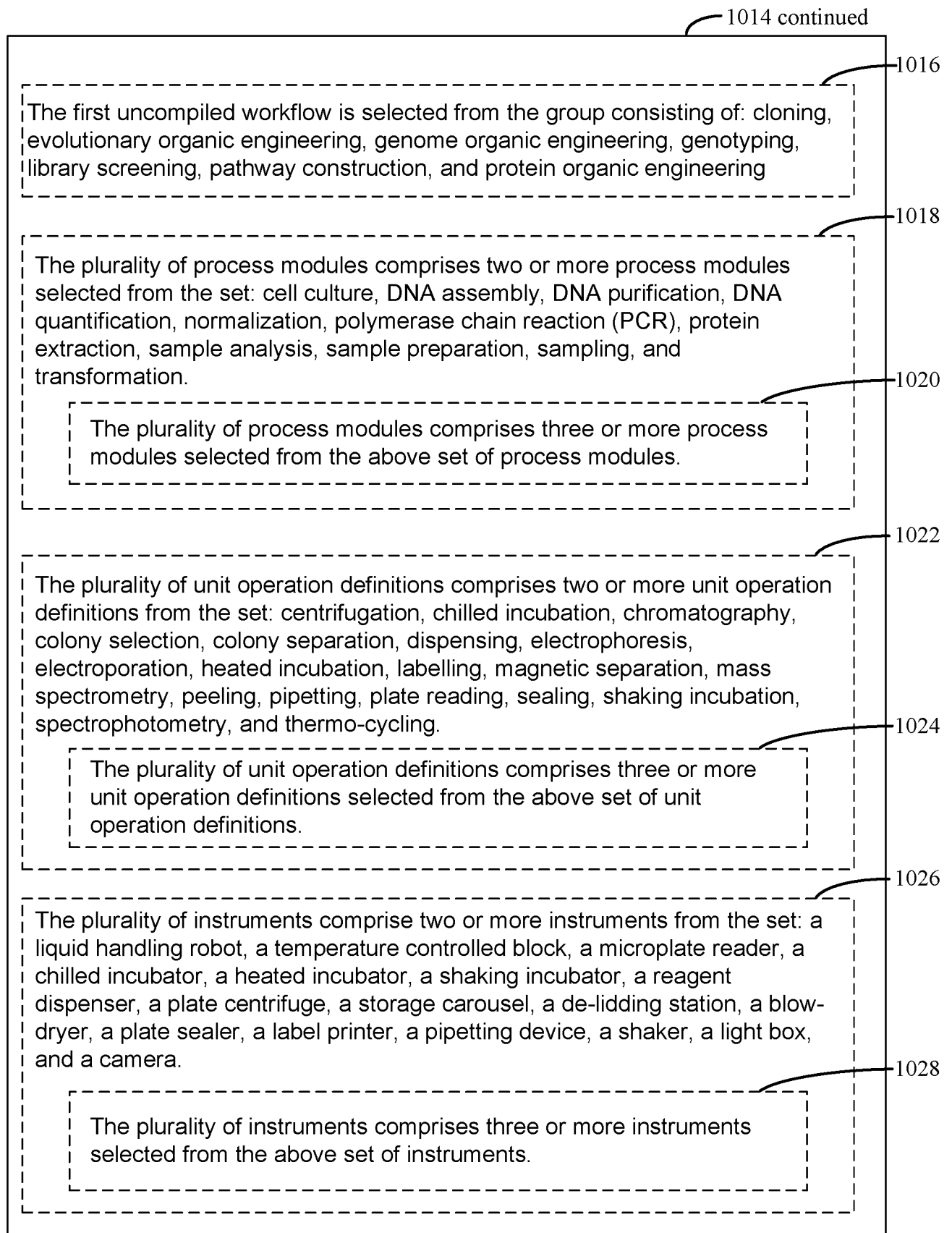


FIG. 3B

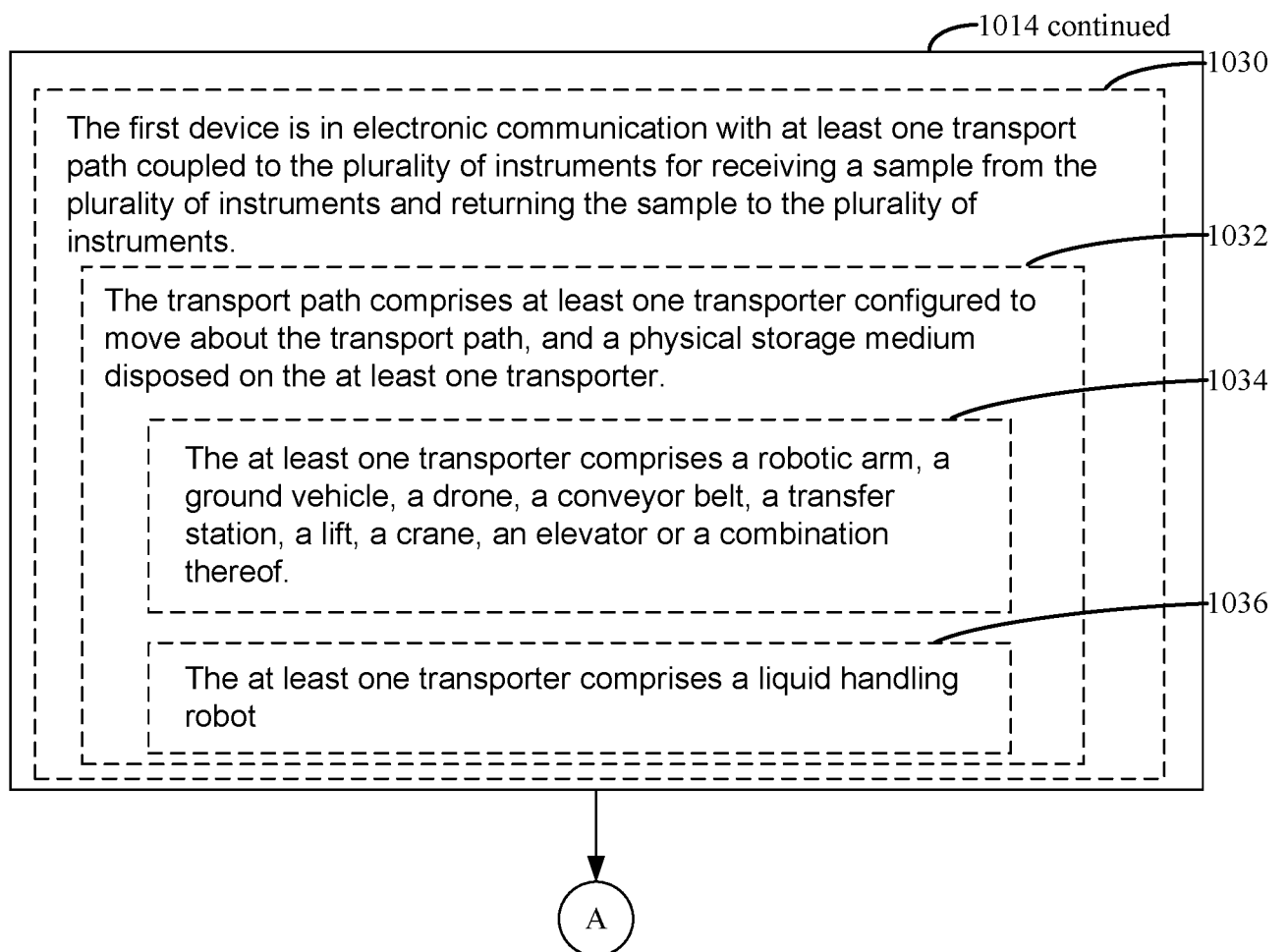


FIG. 3C

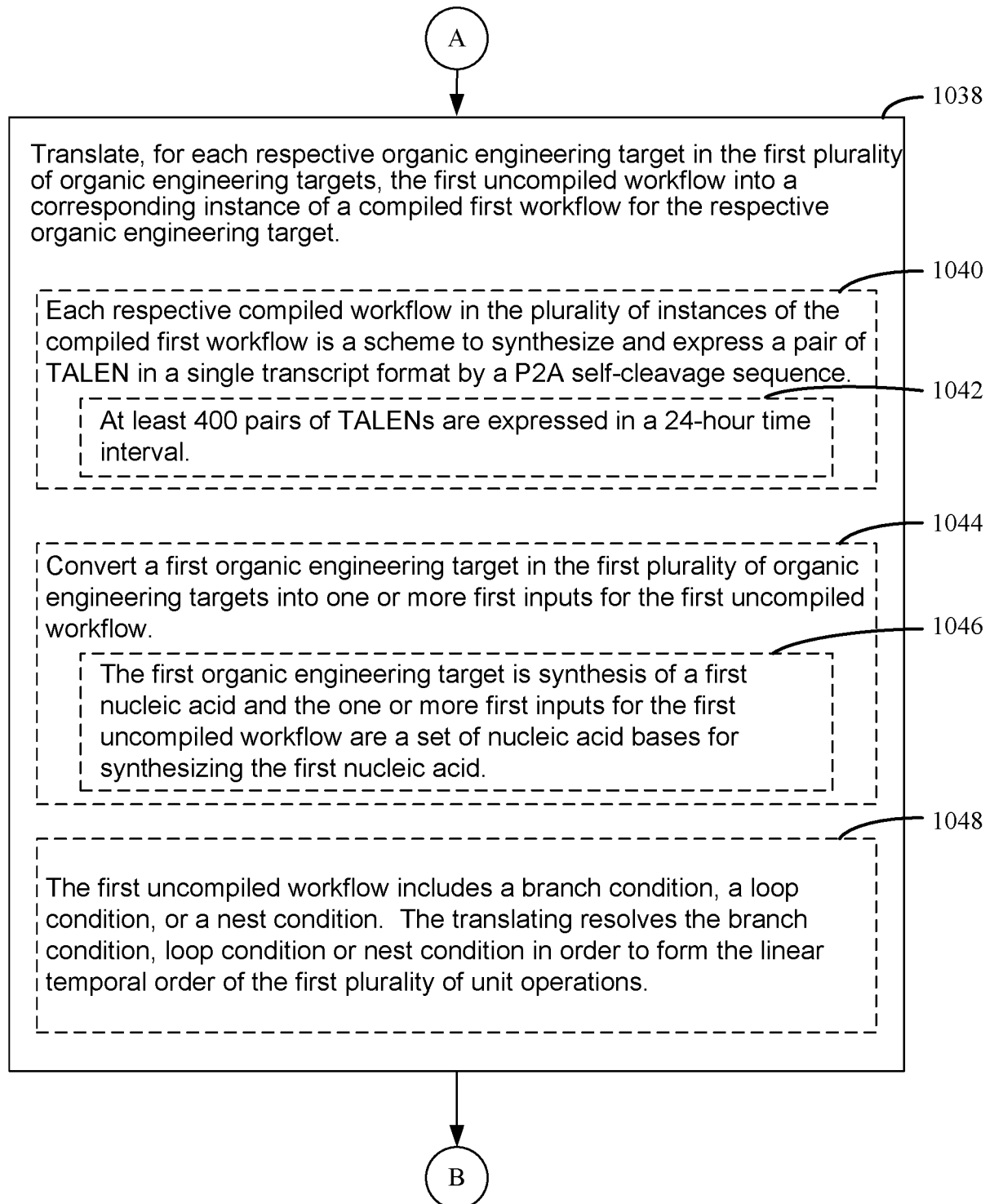
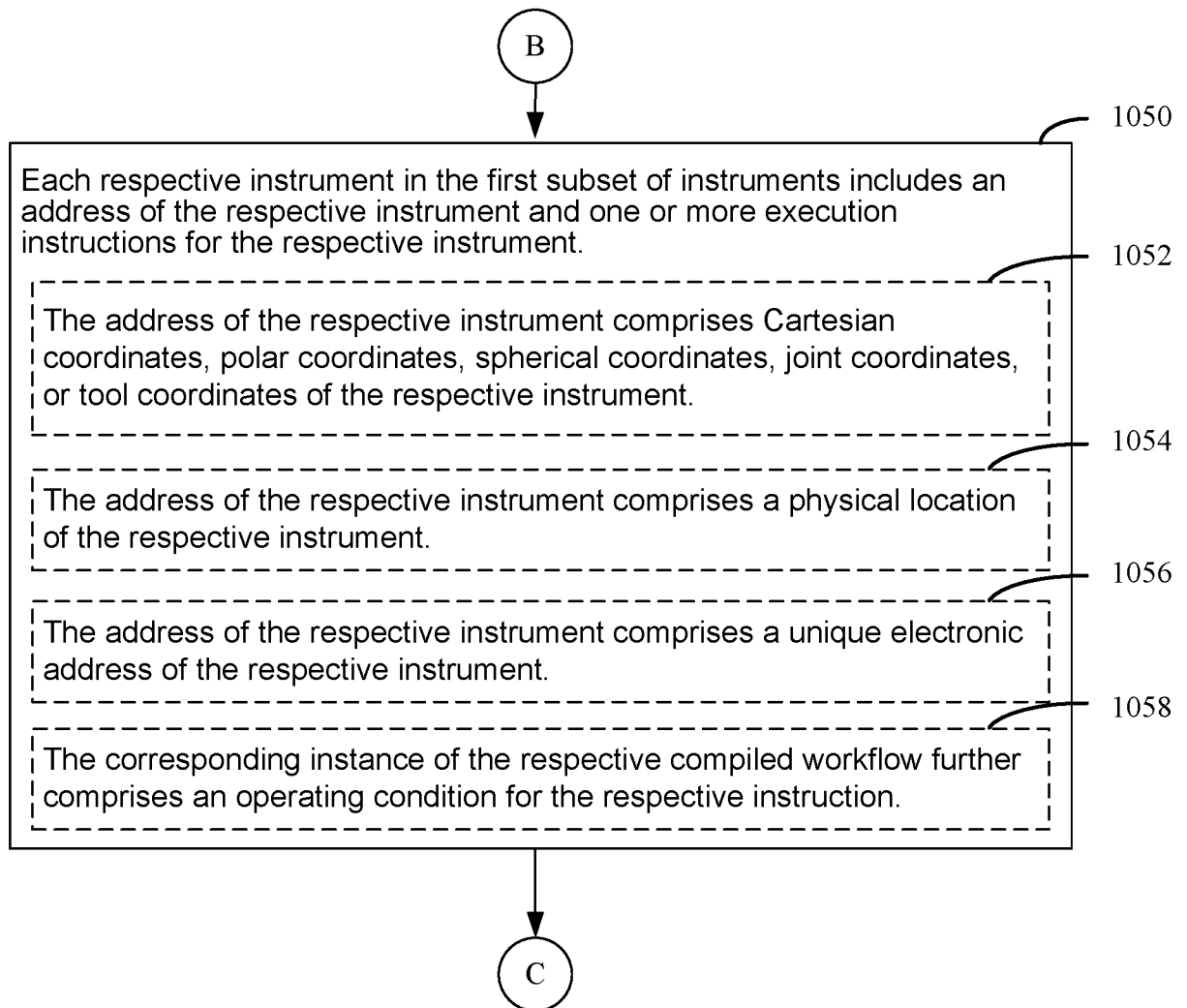
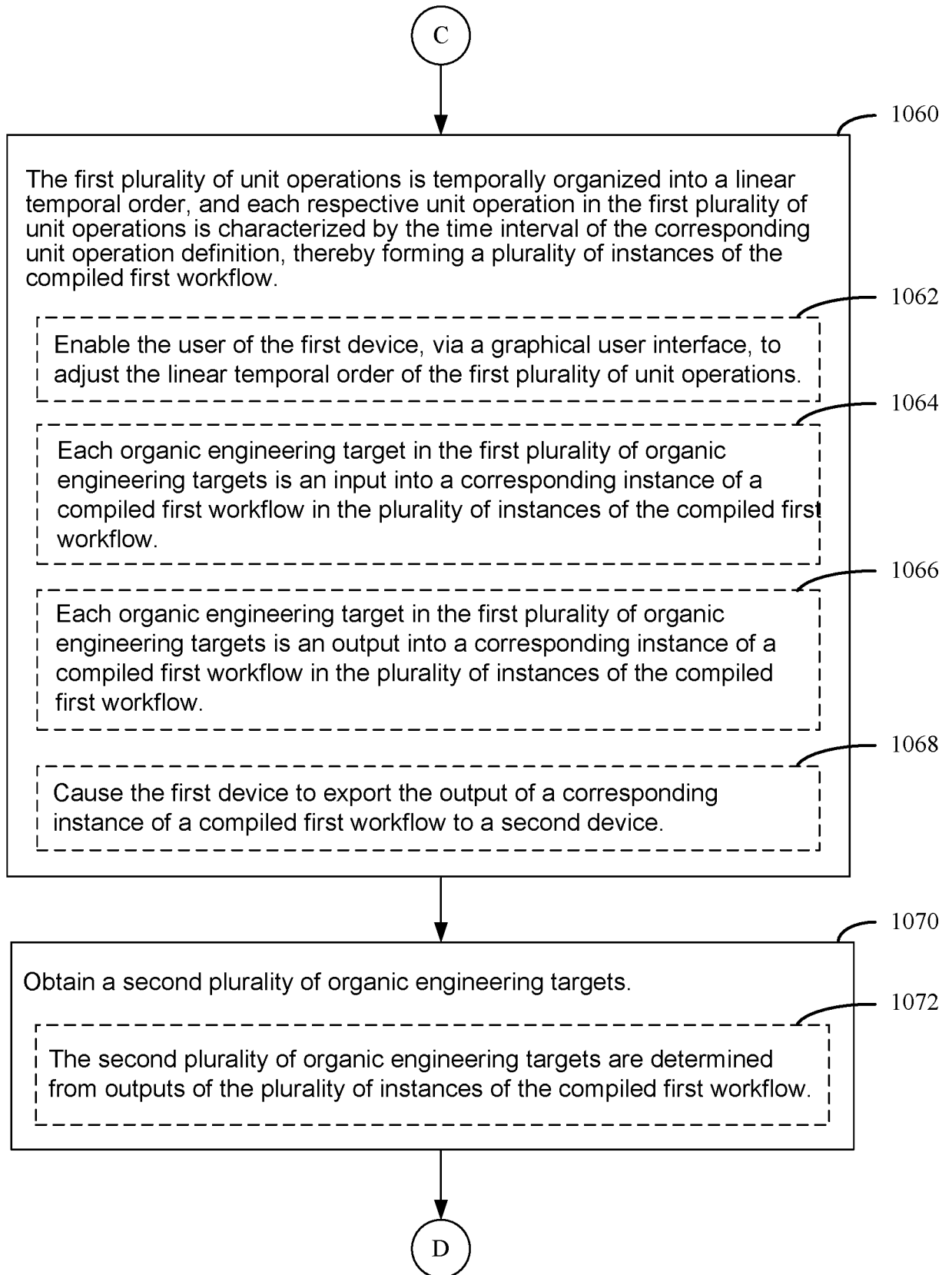


FIG. 3D

**FIG. 3E**

**FIG. 3F**

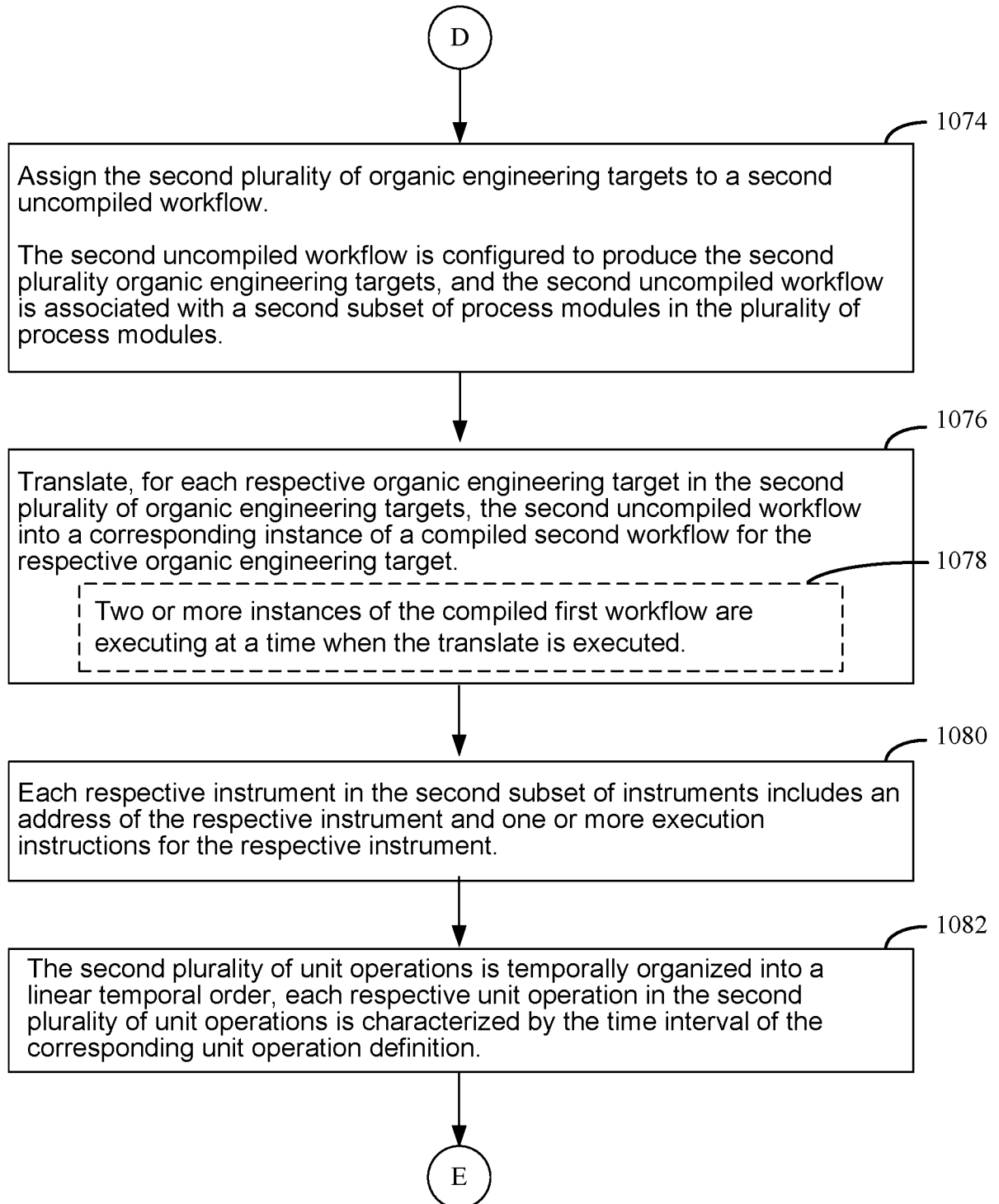


FIG. 3G

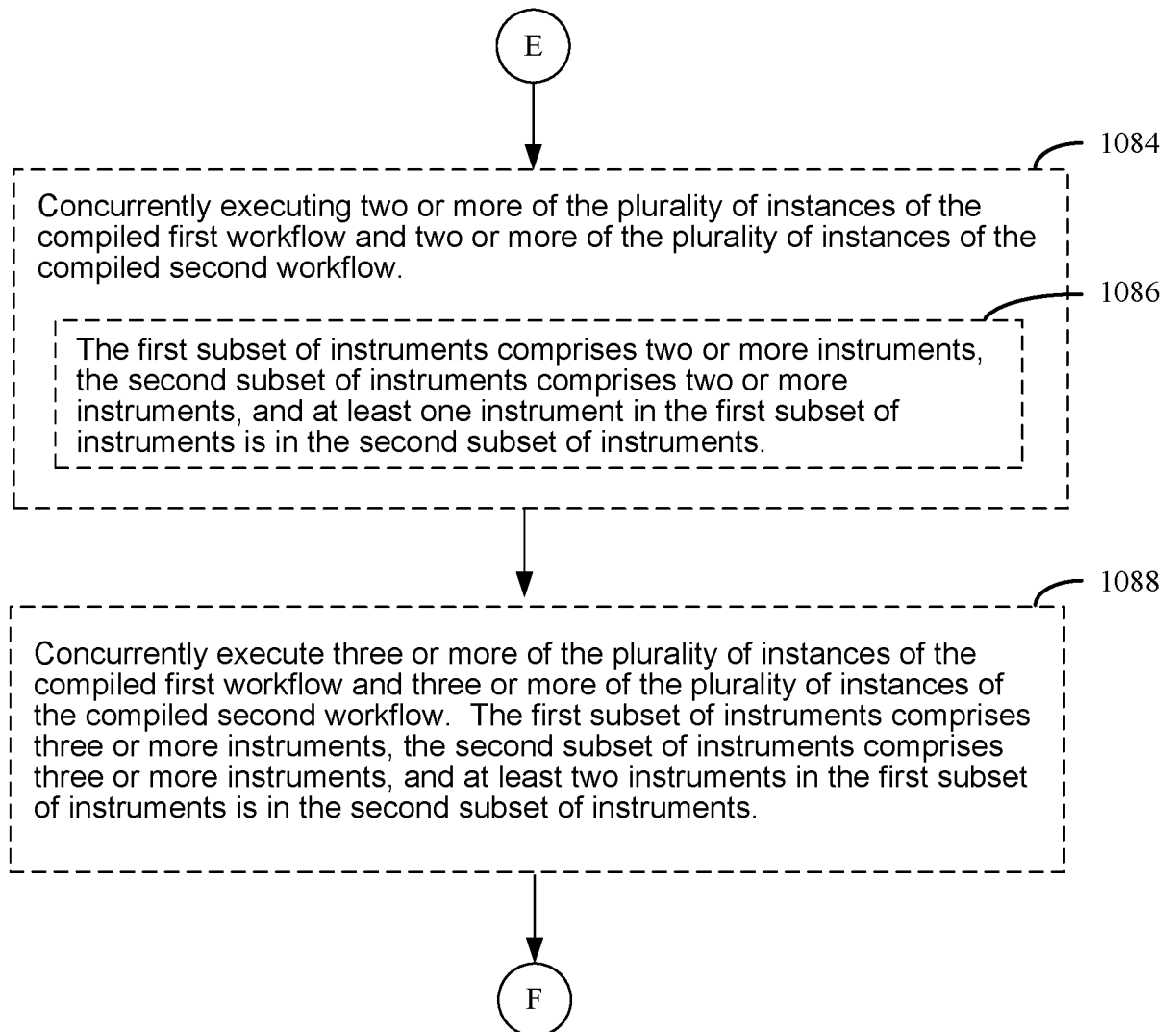


FIG. 3H

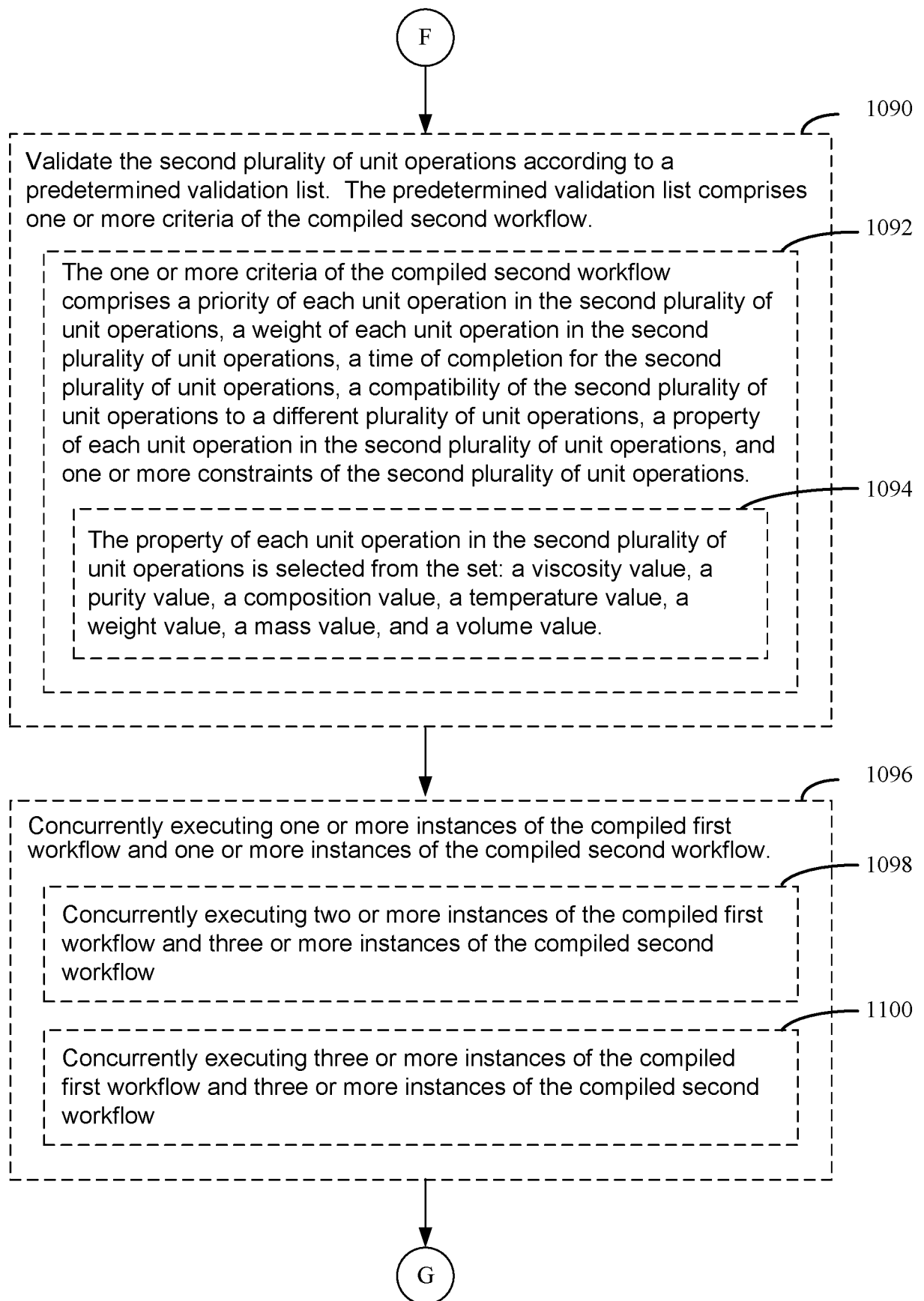
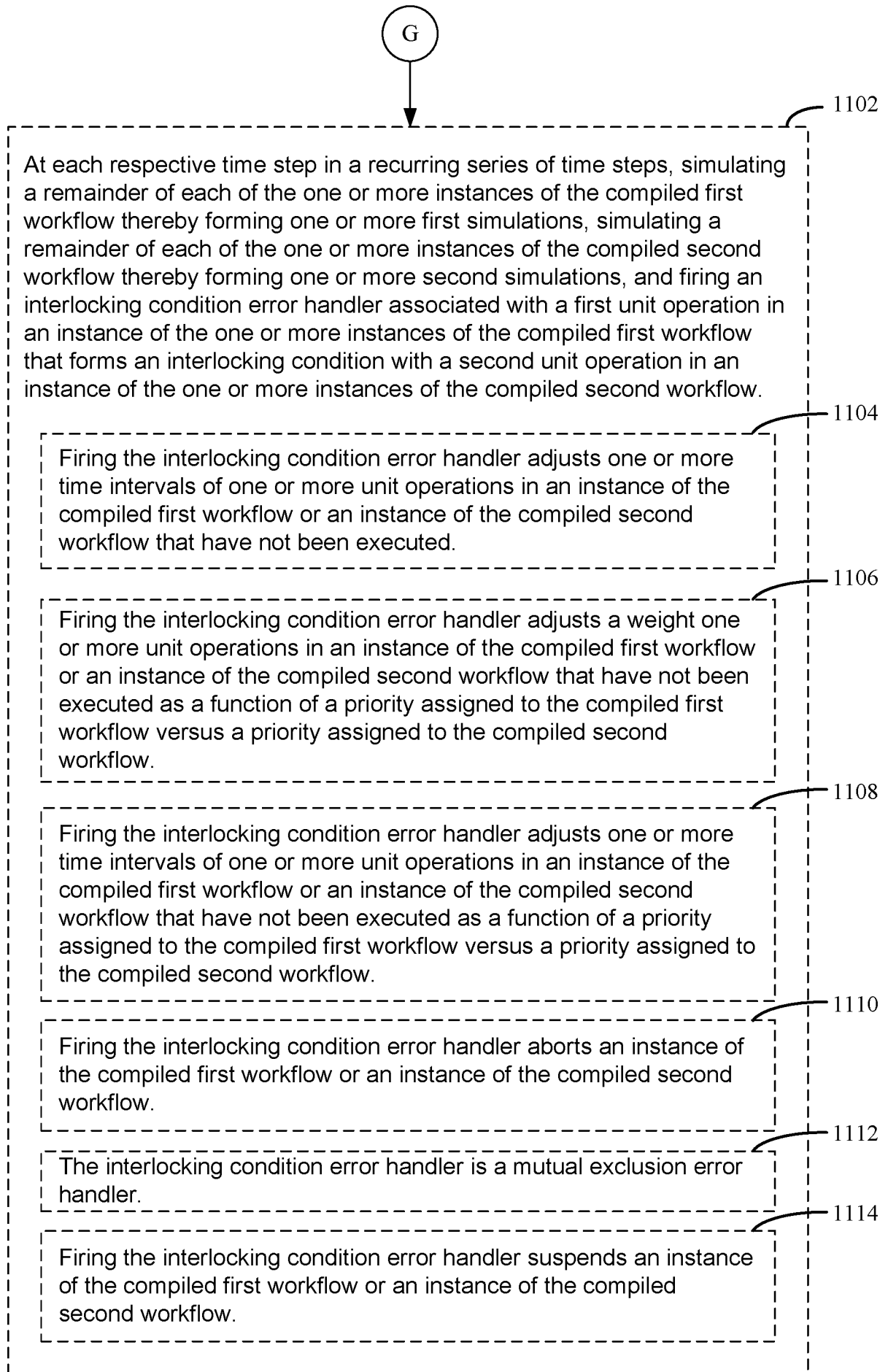


FIG. 3I

**FIG. 3J**

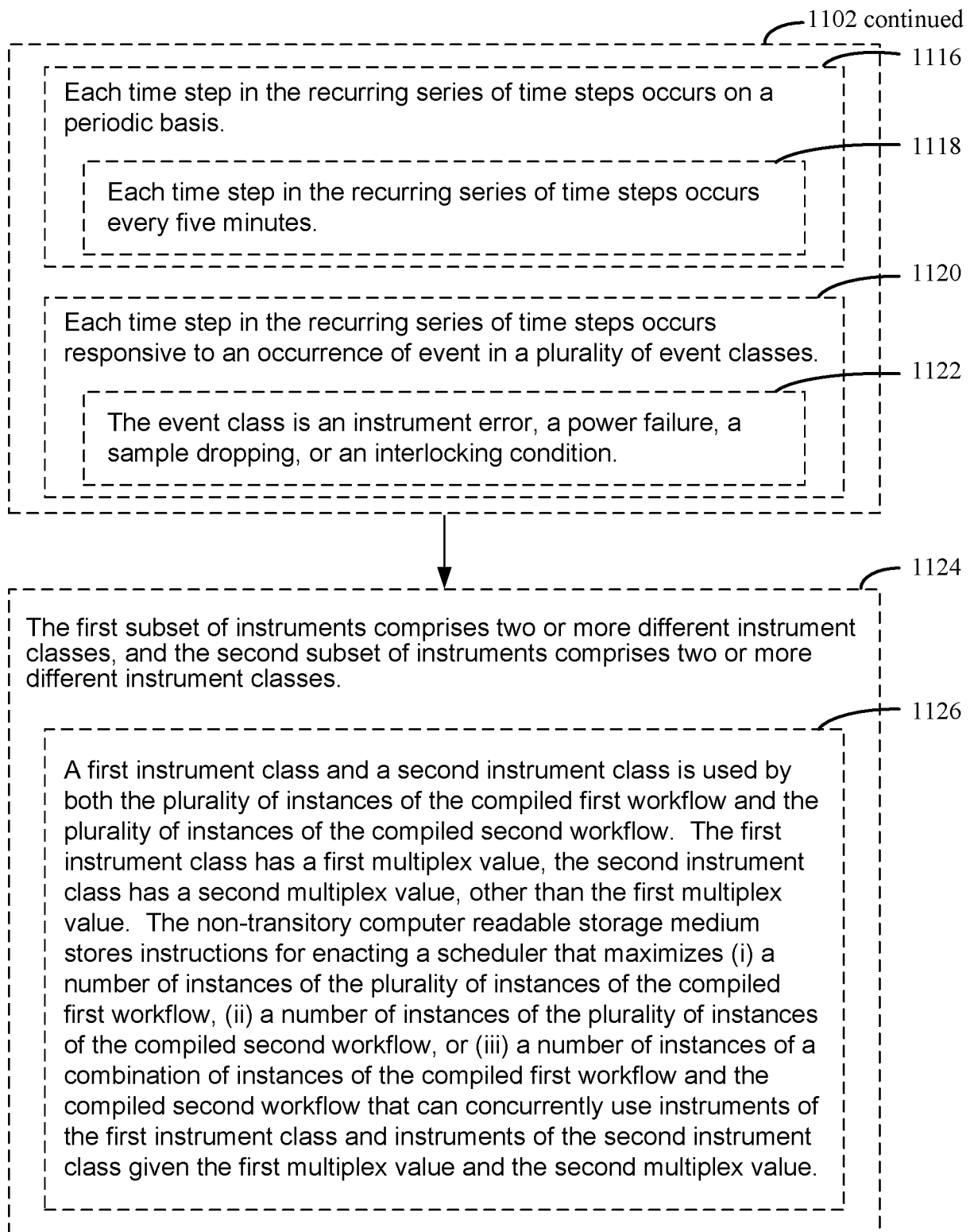


FIG. 3K

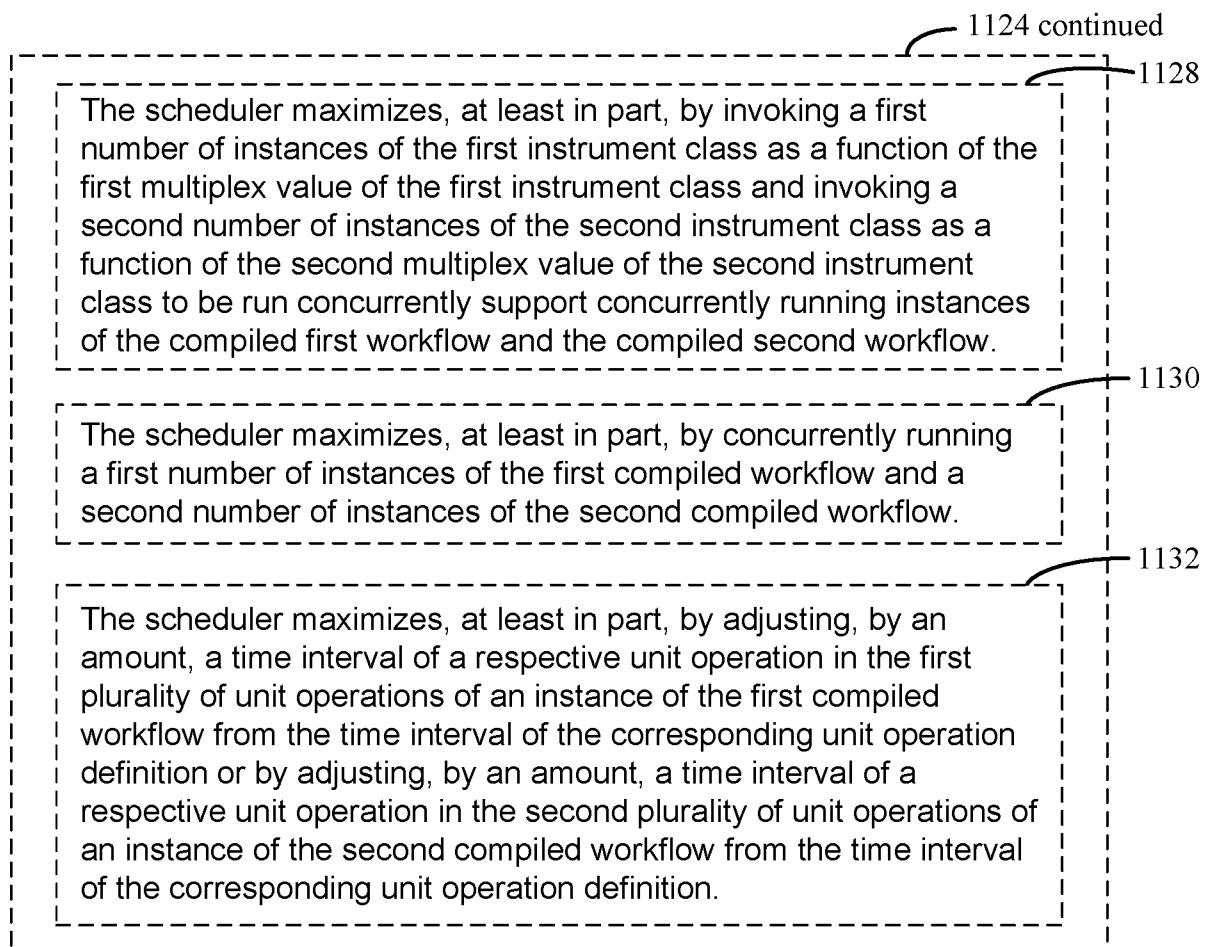


FIG. 3L

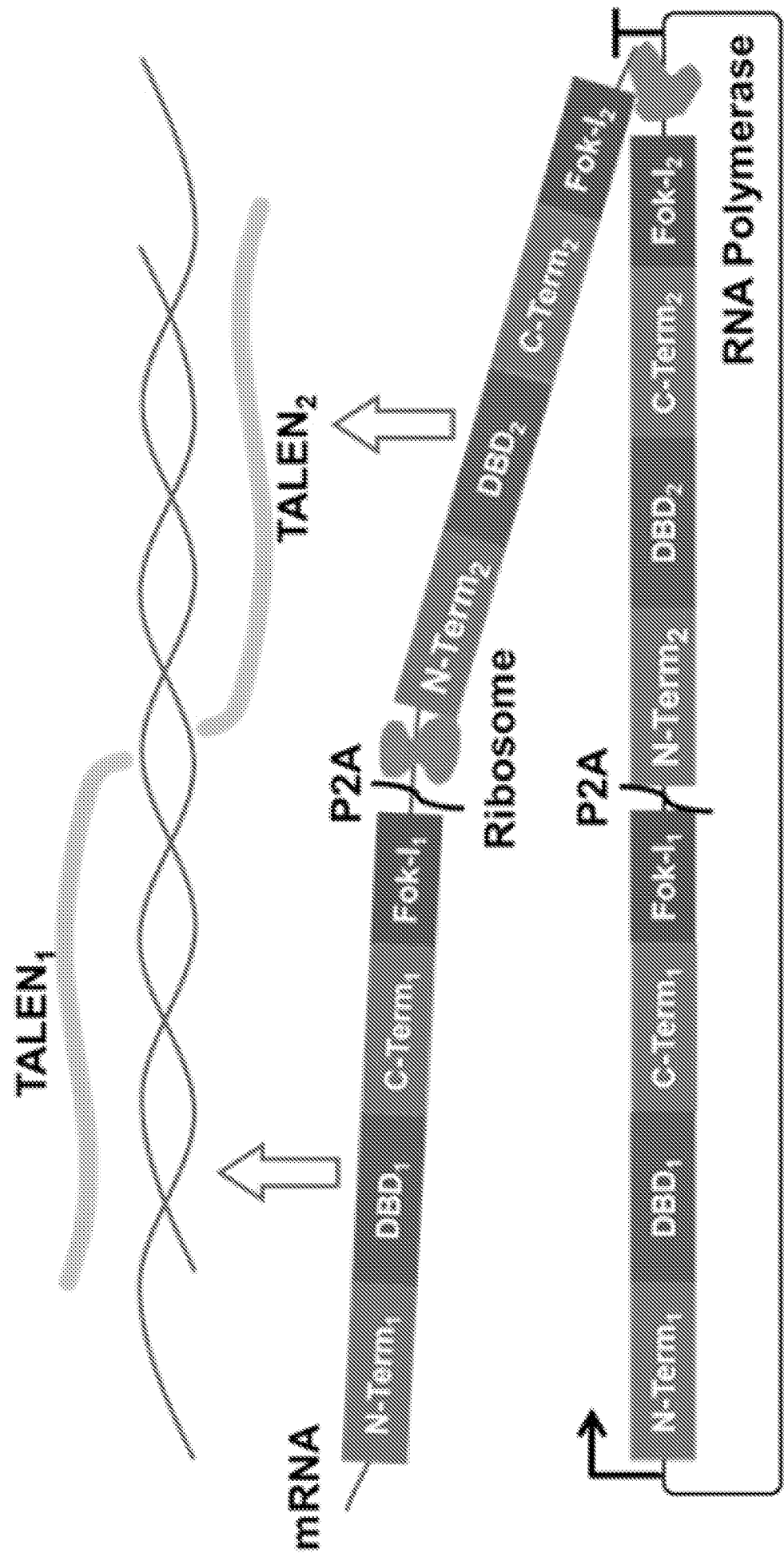


FIG. 4A

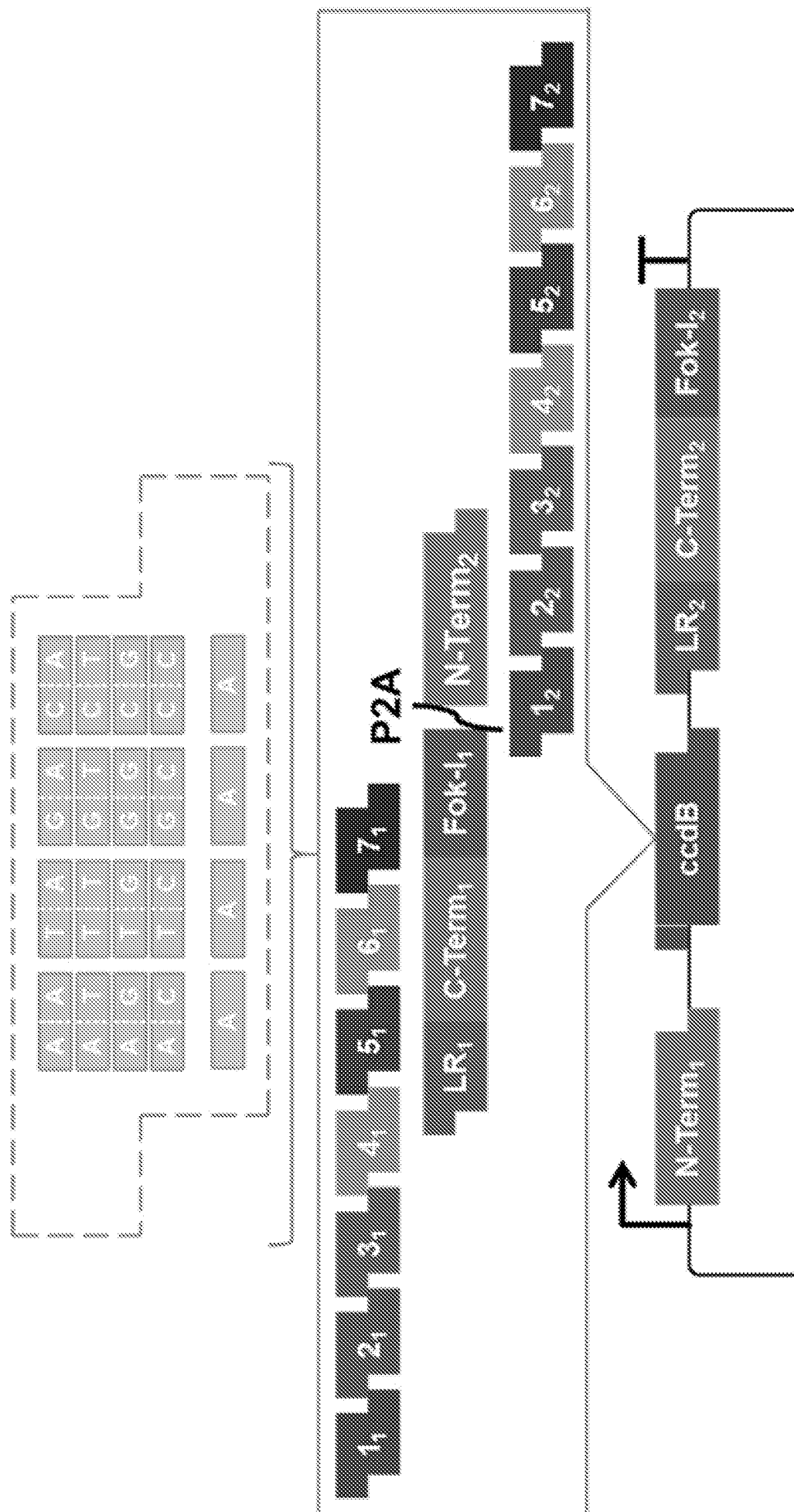


FIG. 4B

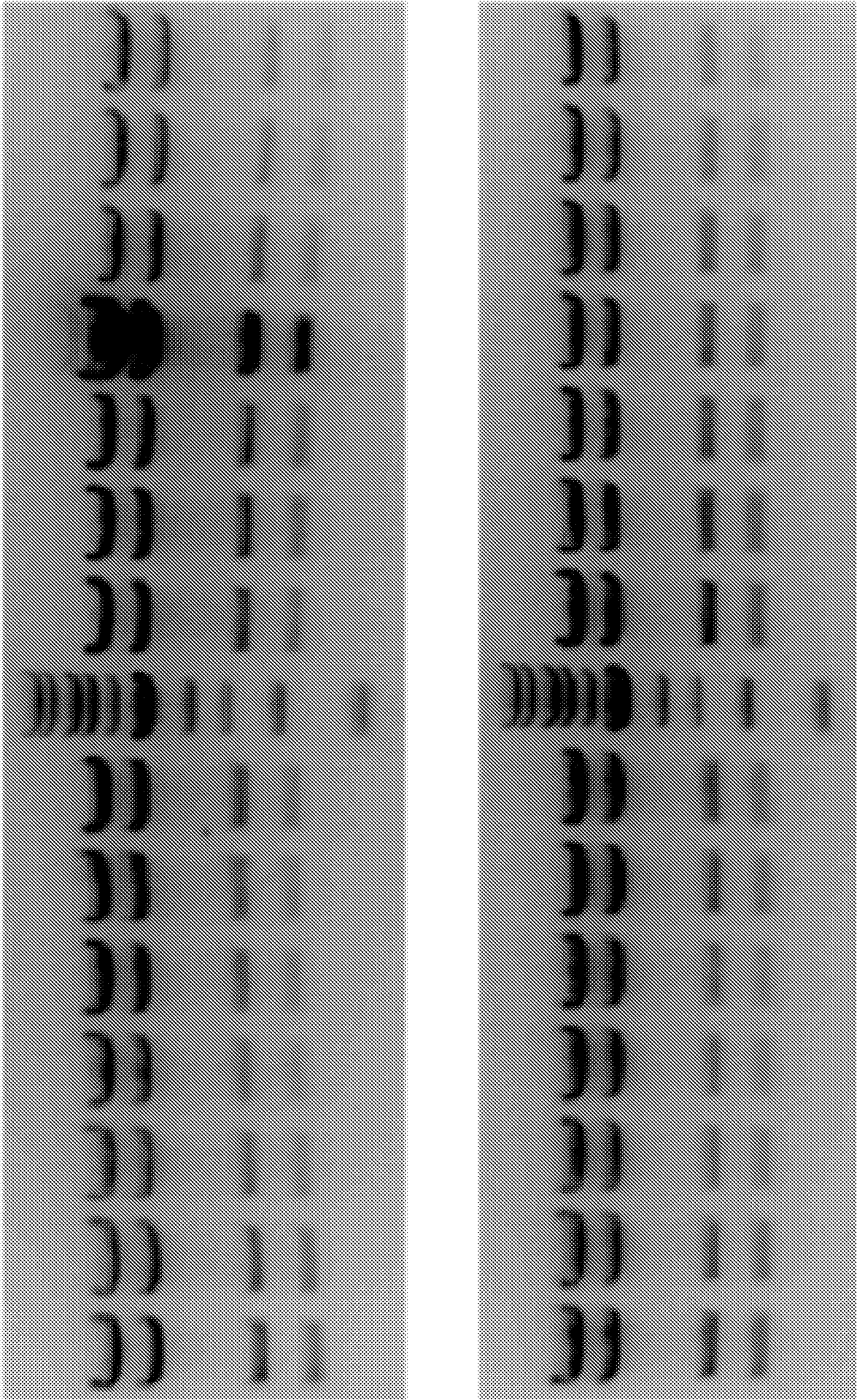


FIG. 4C



FIG. 5A

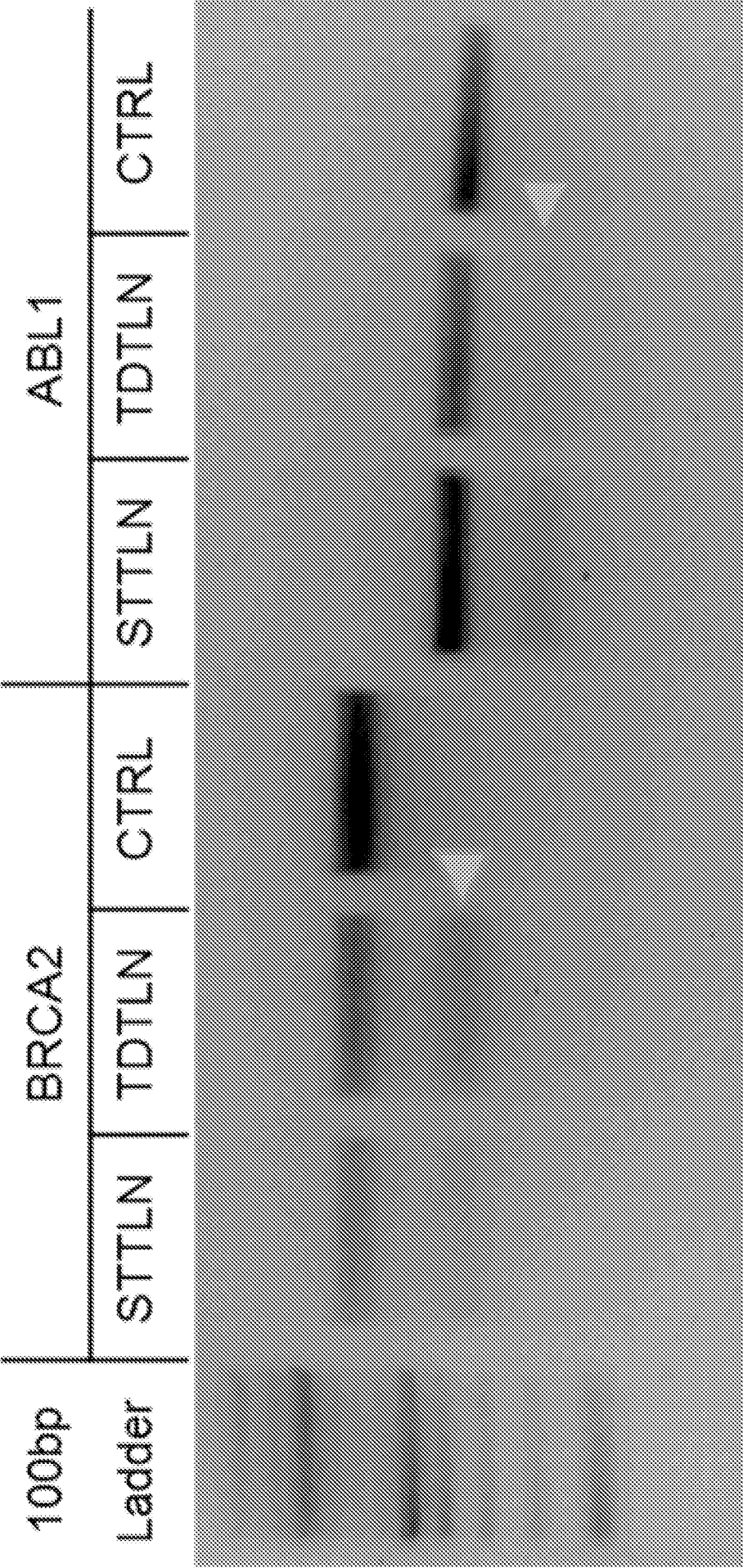


FIG. 5B

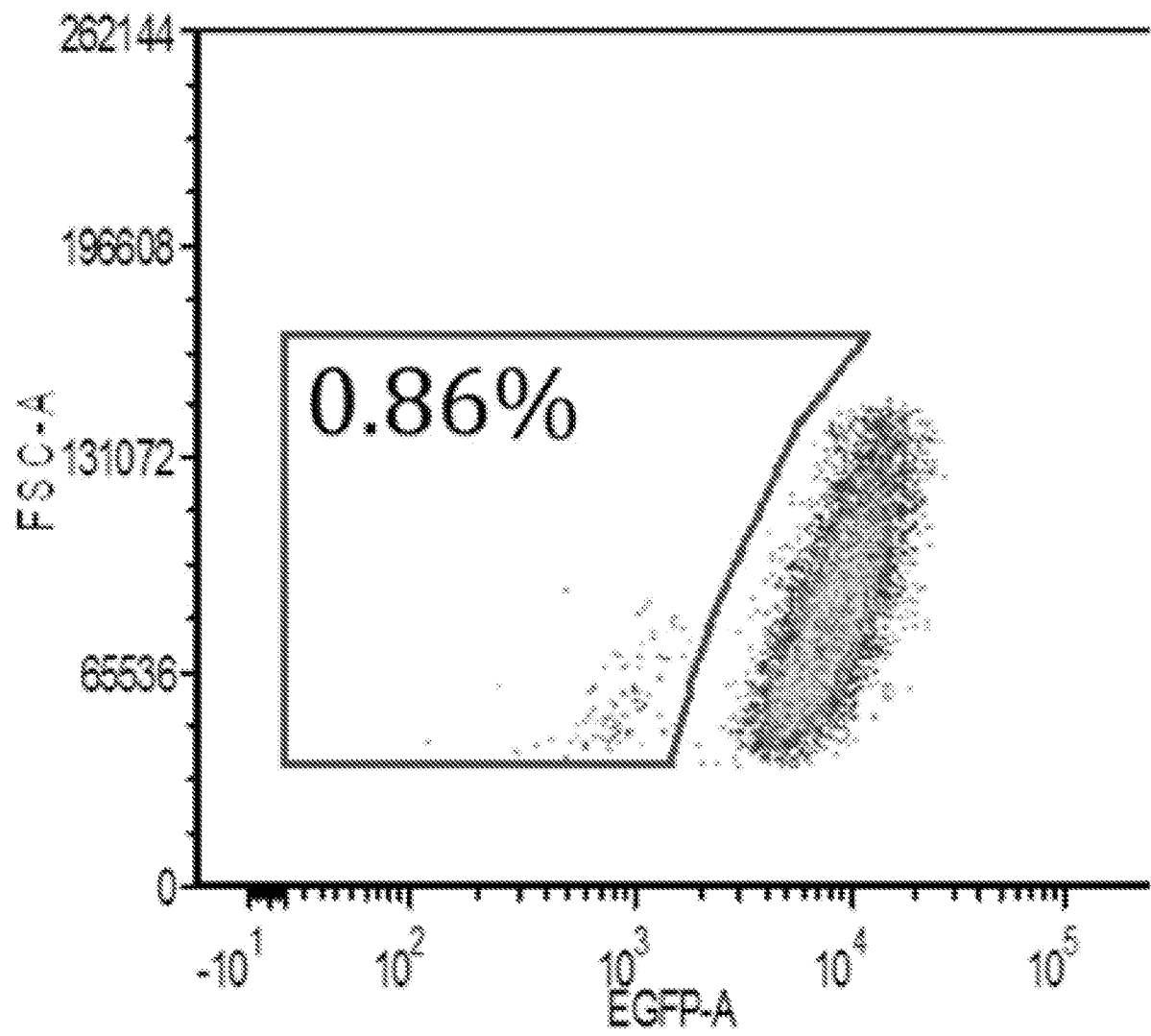


FIG. 5C

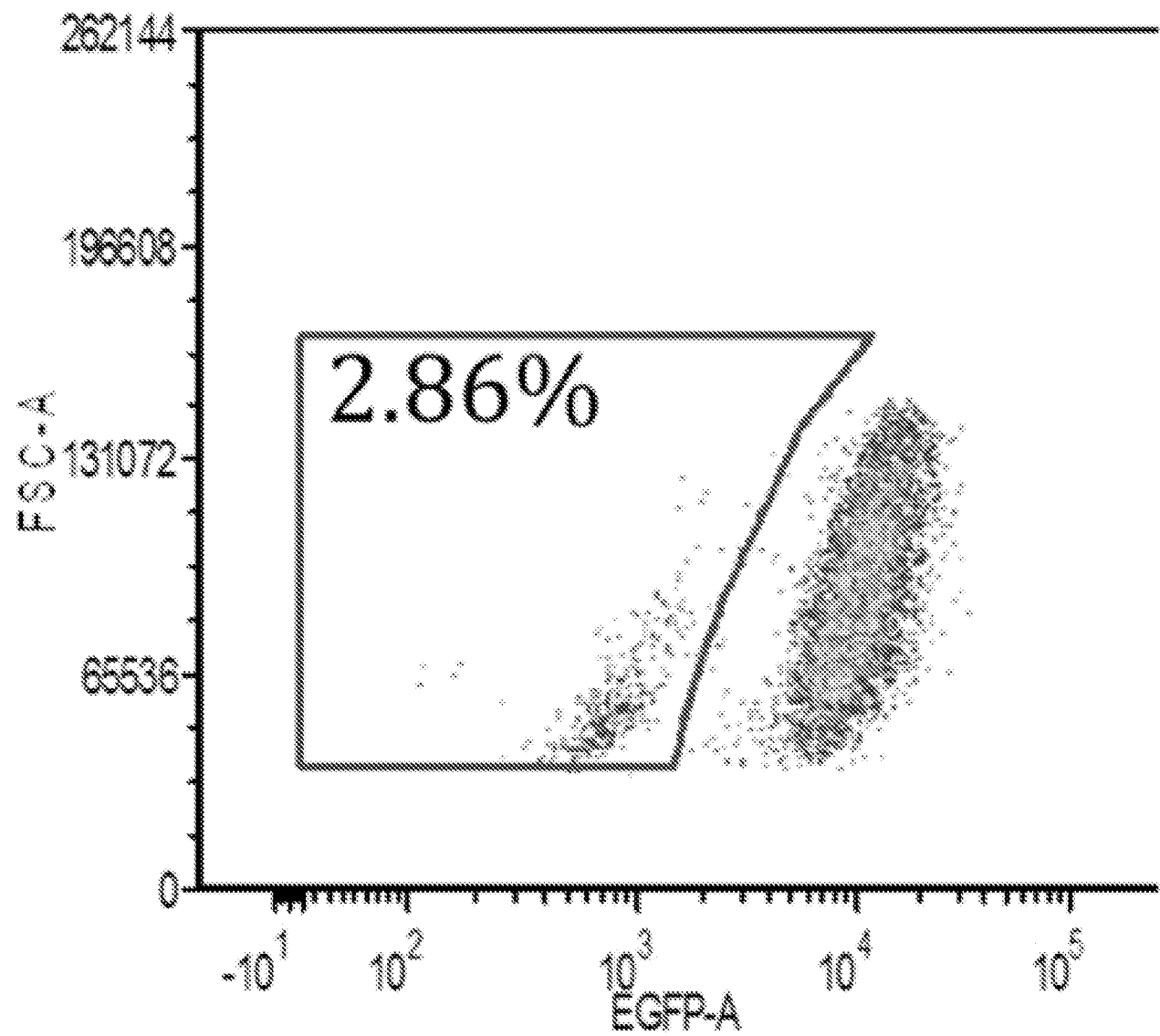


FIG. 5D

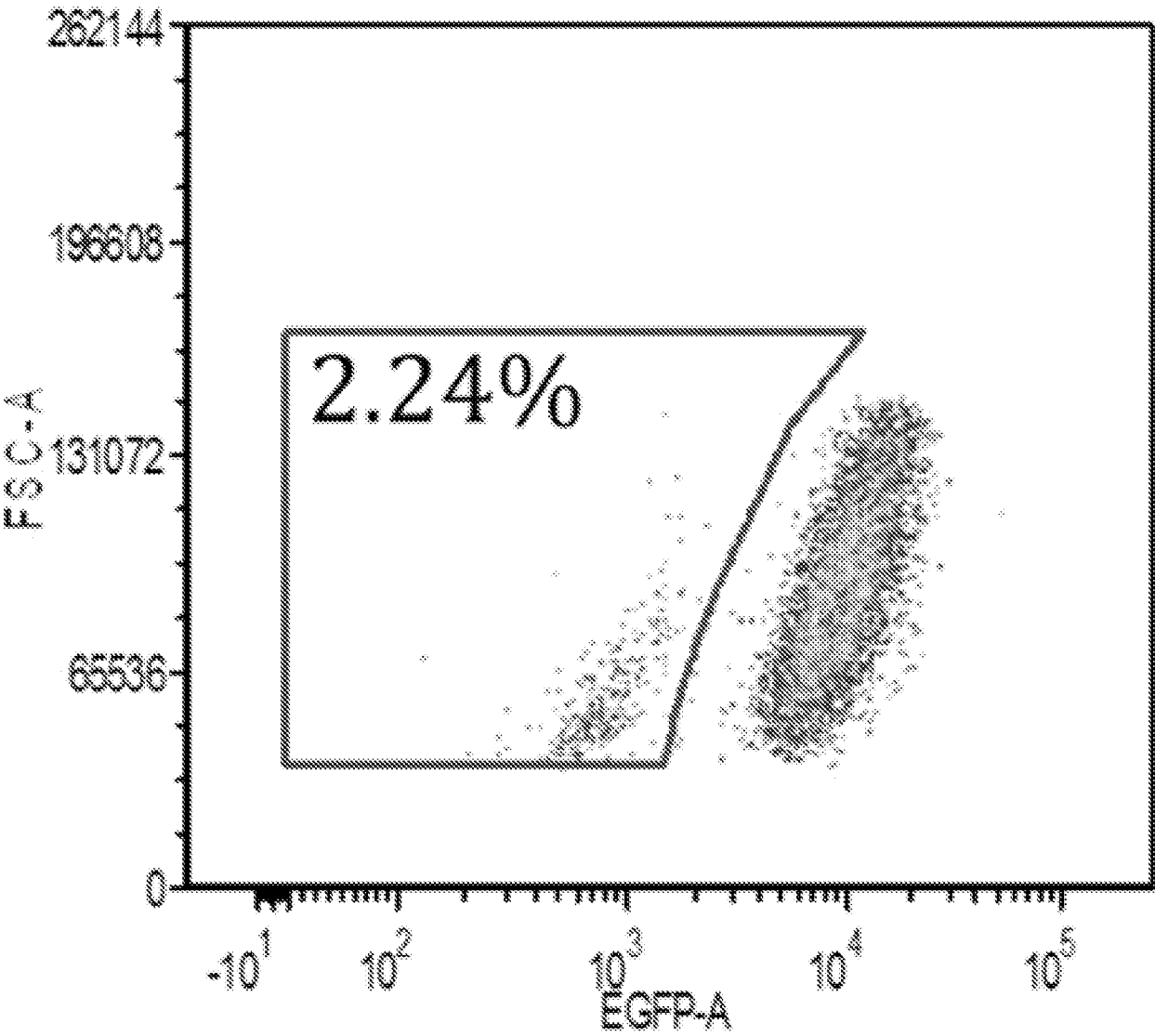


FIG. 5E

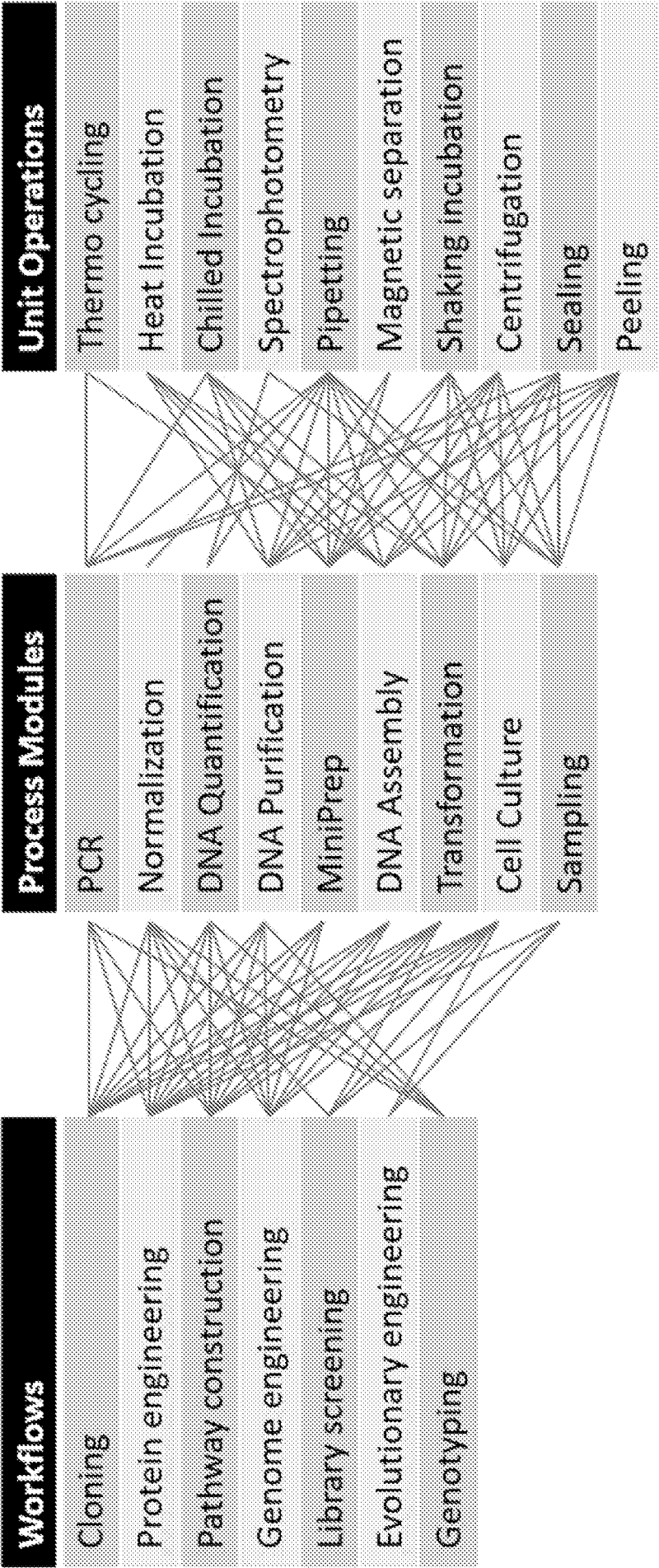


FIG. 6A

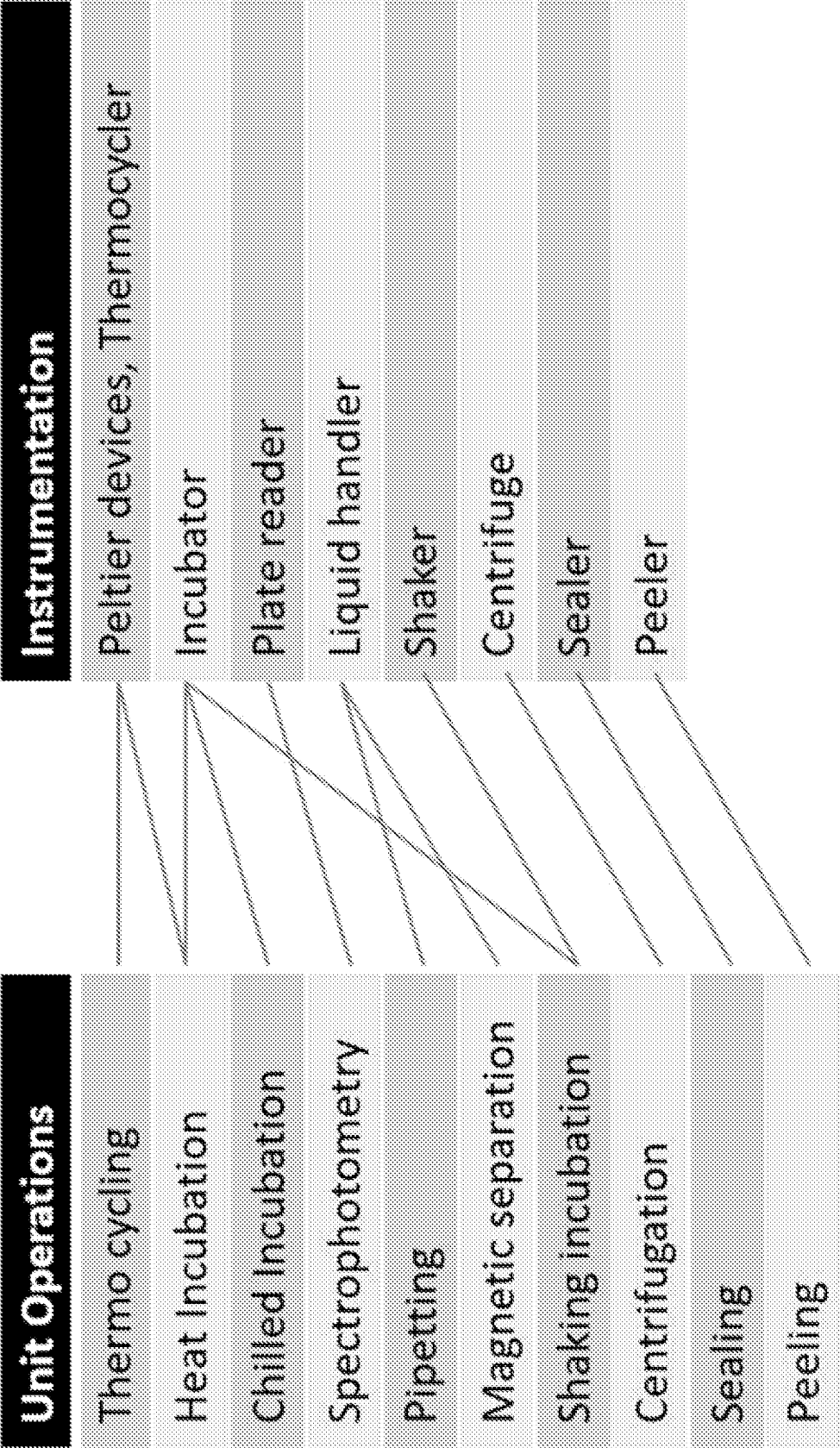


FIG. 6B

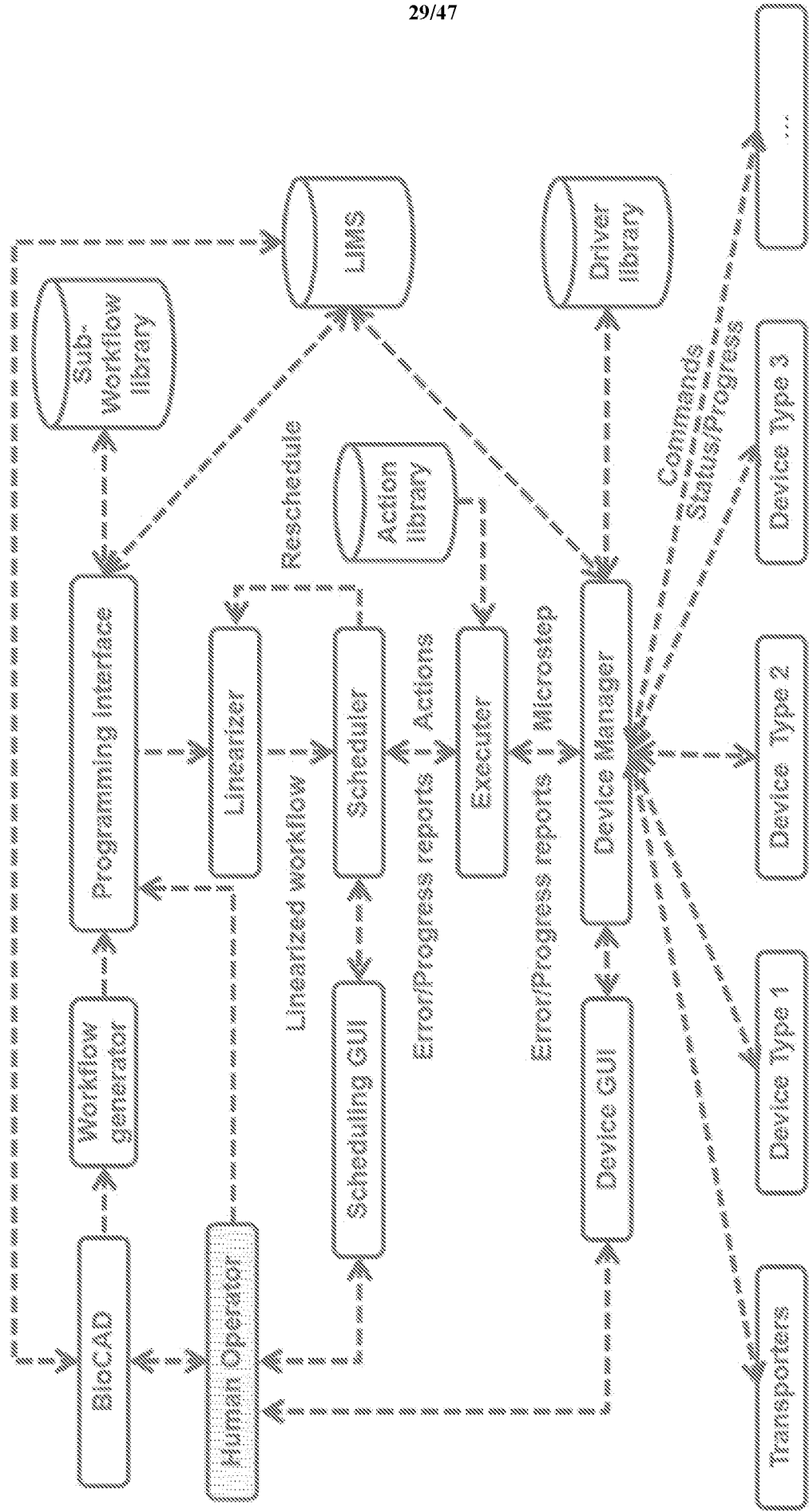


FIG. 6C

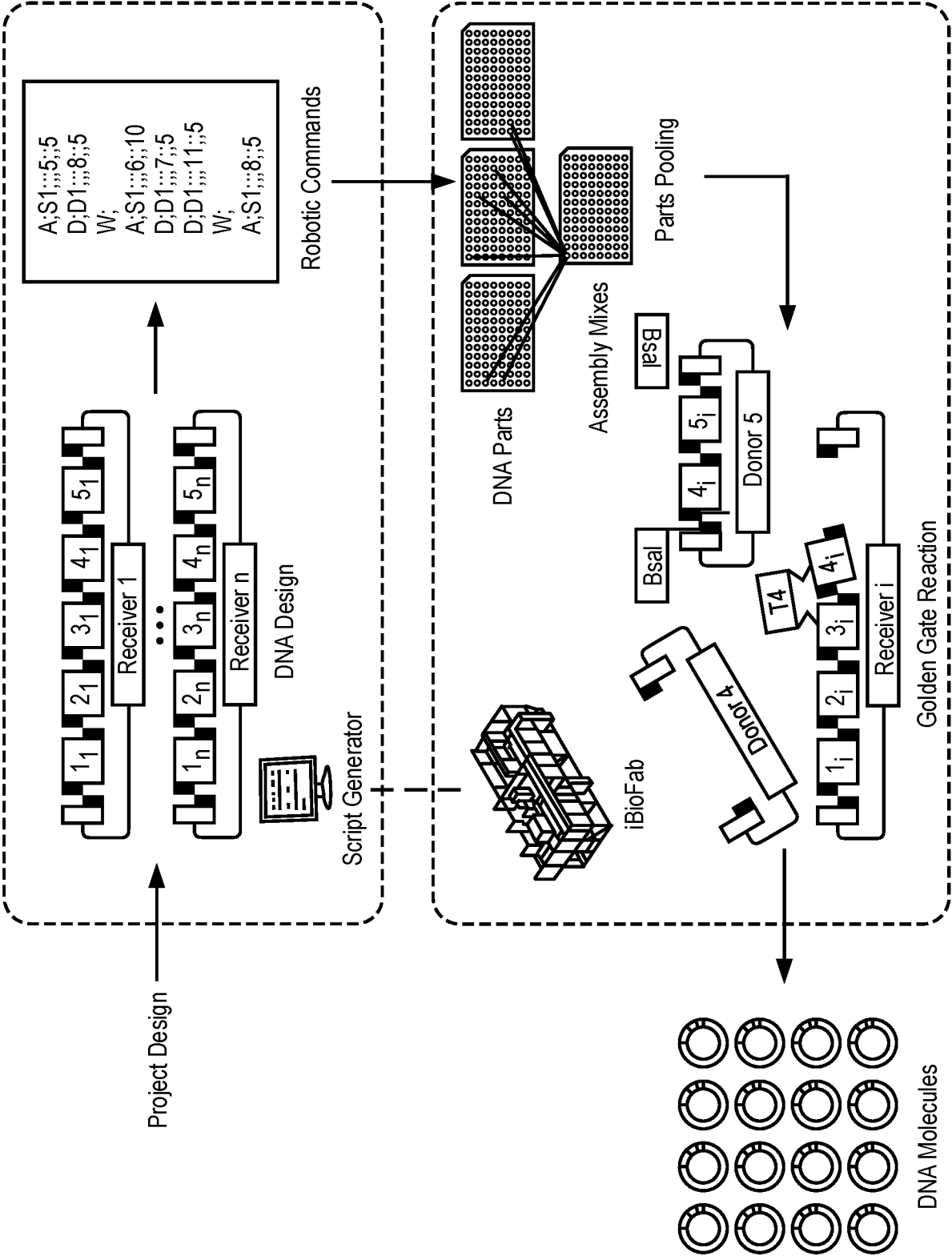


FIG. 7A

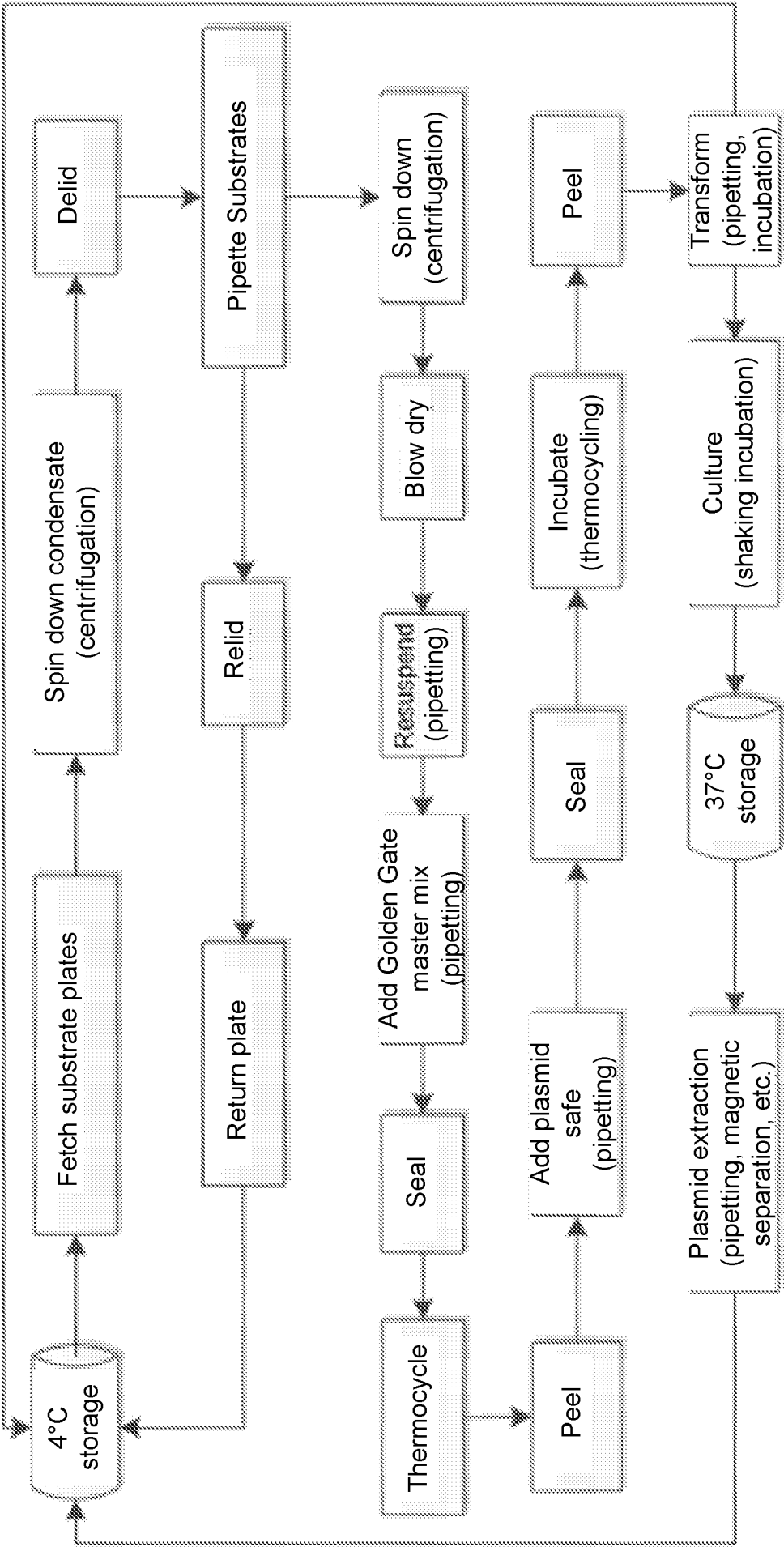


FIG. 7B

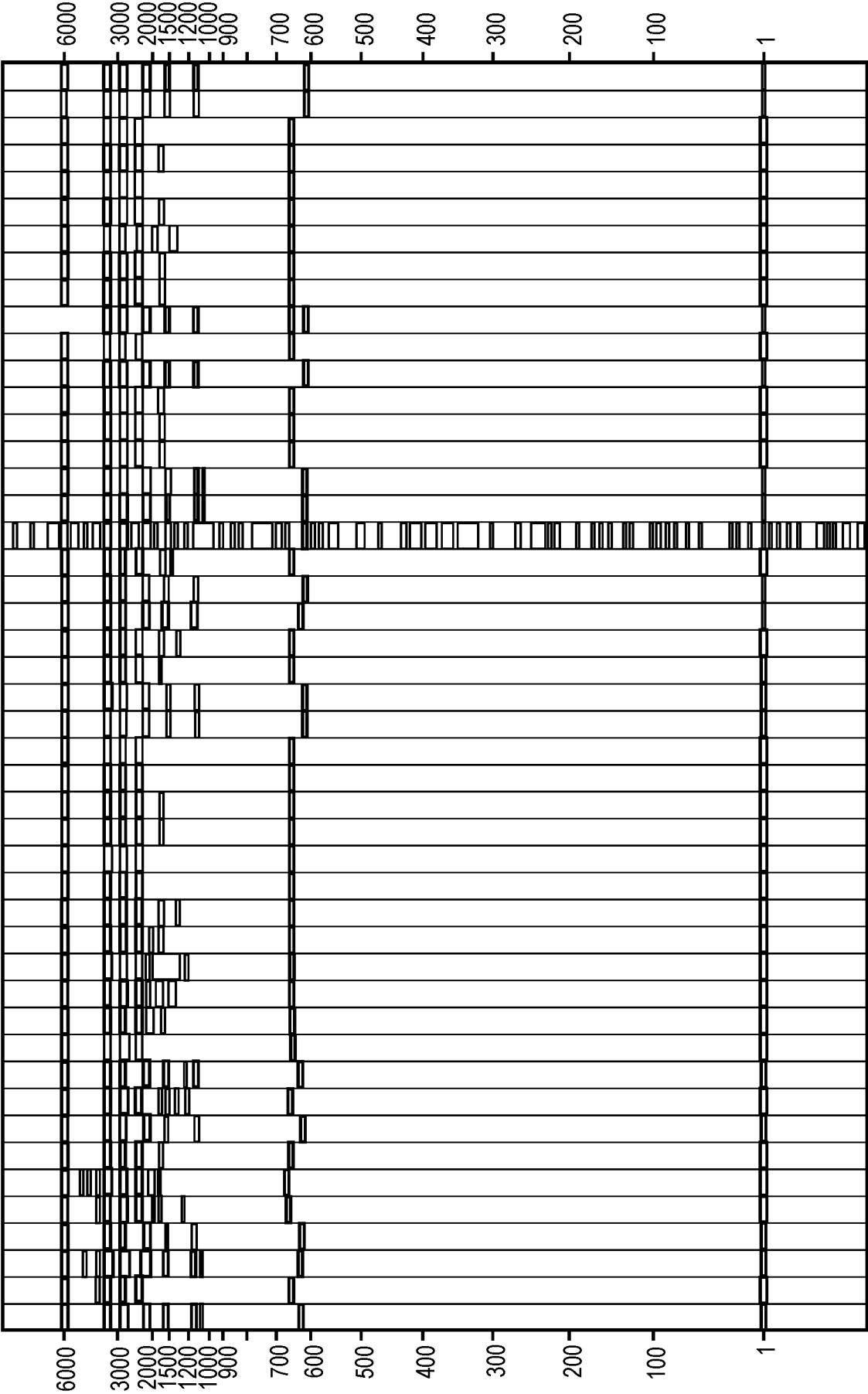


FIG. 7C

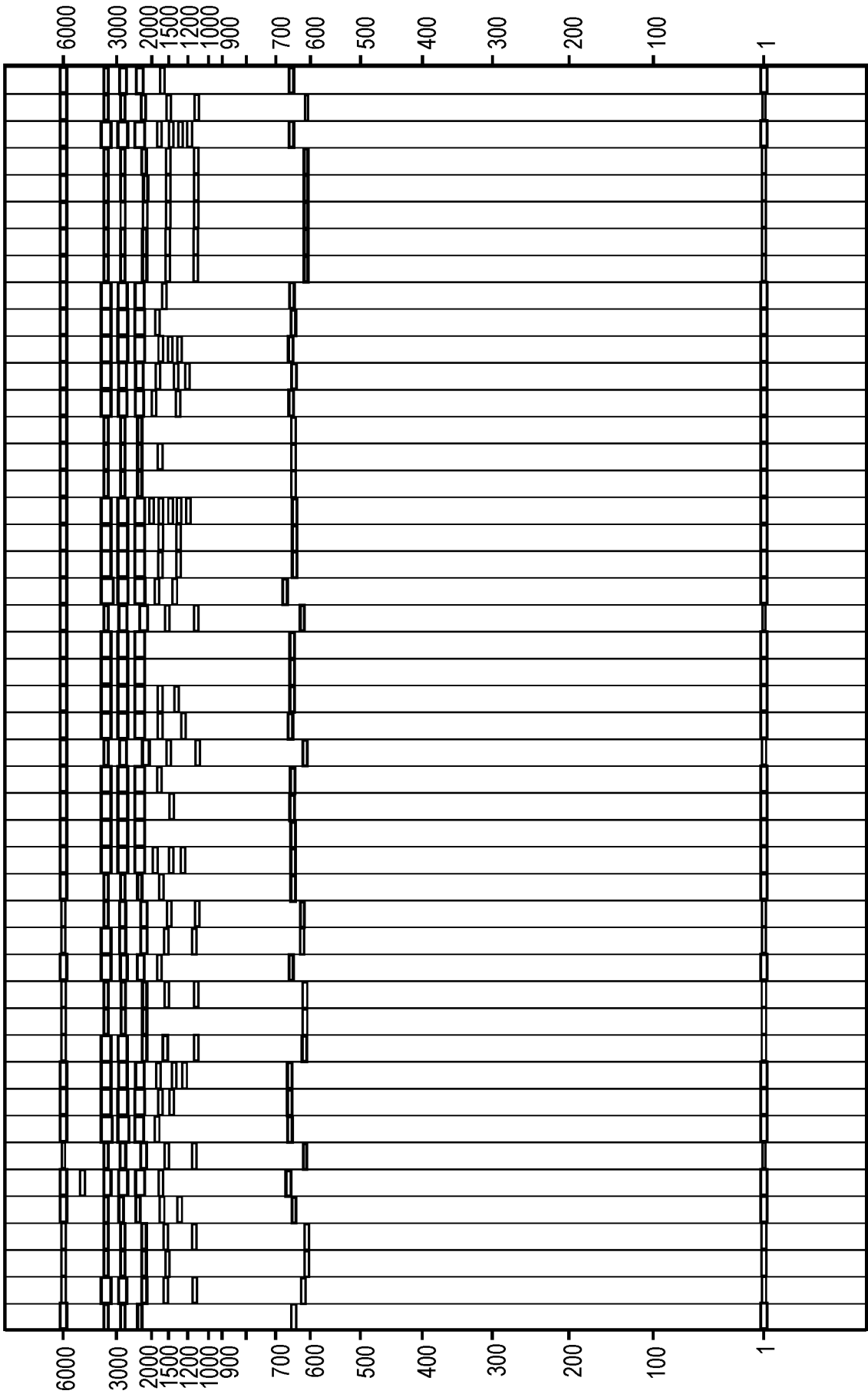


FIG. 7D

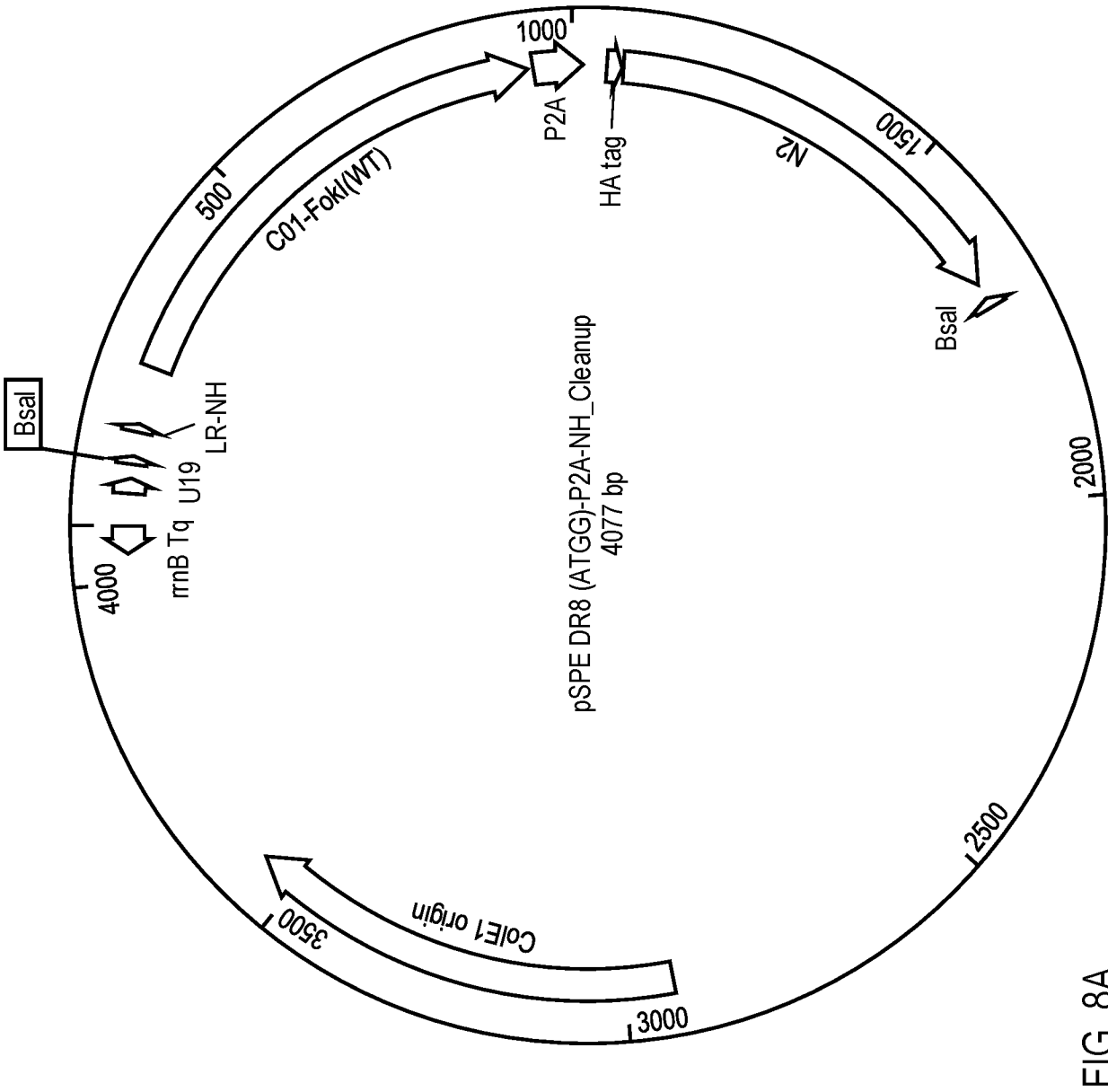


FIG. 8A

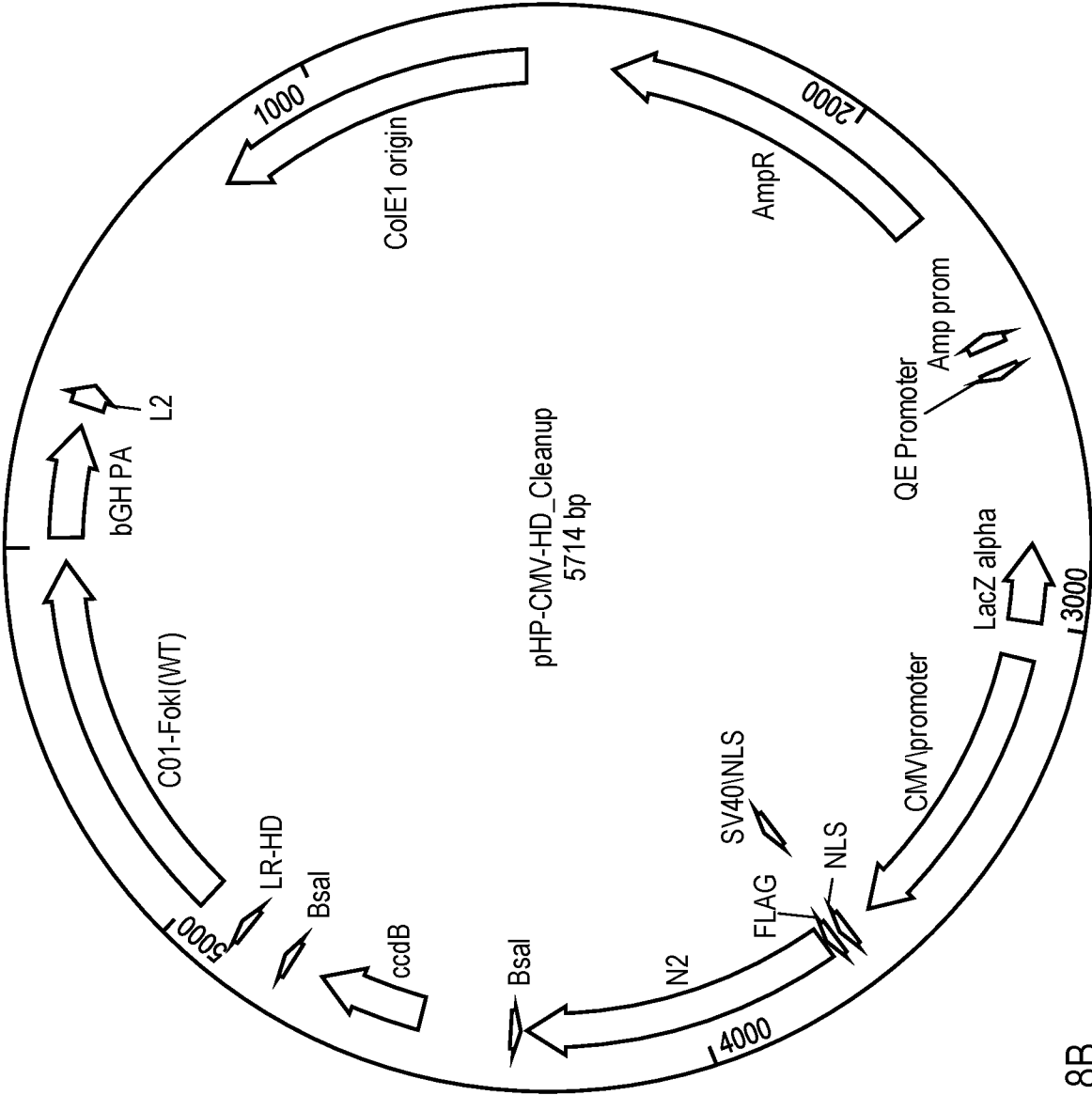


FIG. 8B

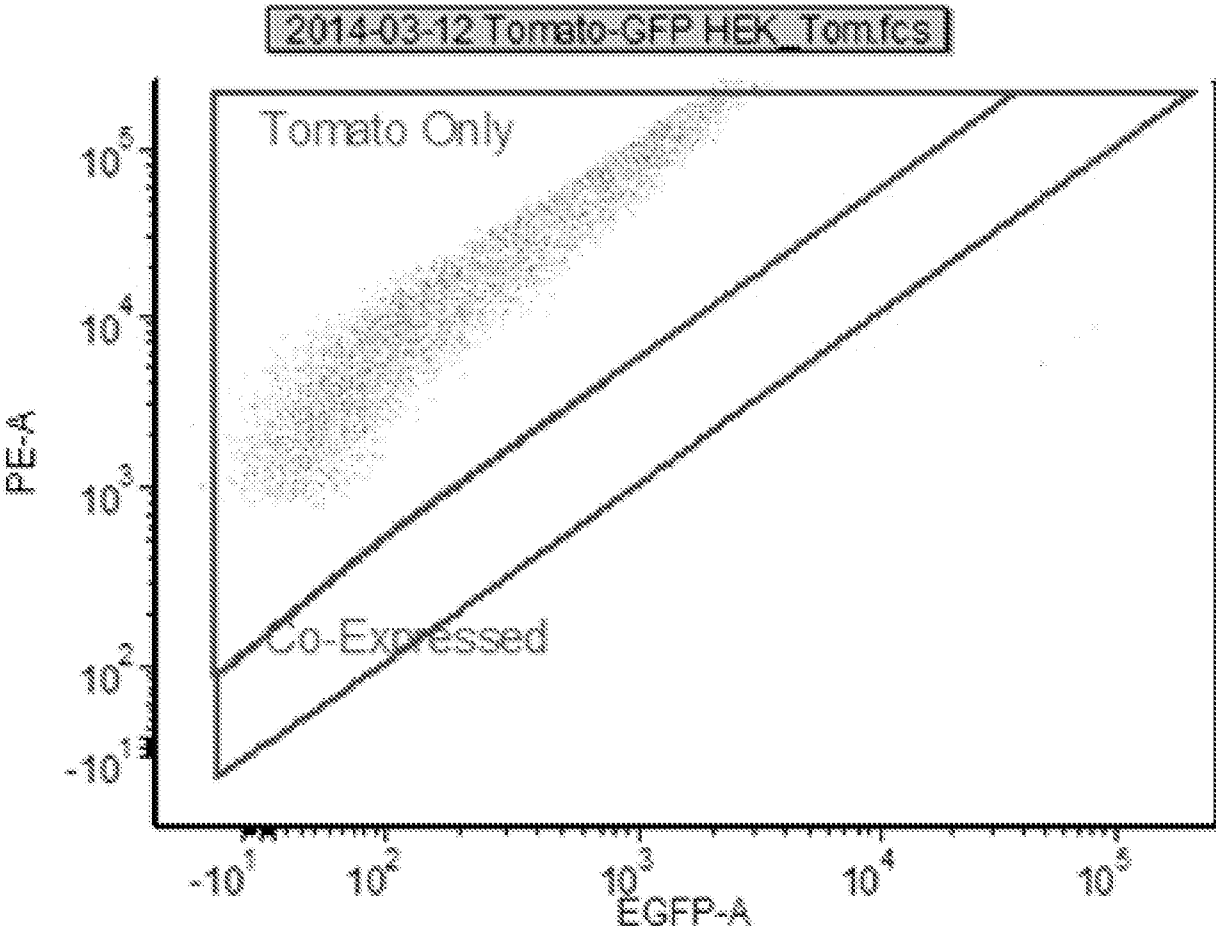


FIG. 9A

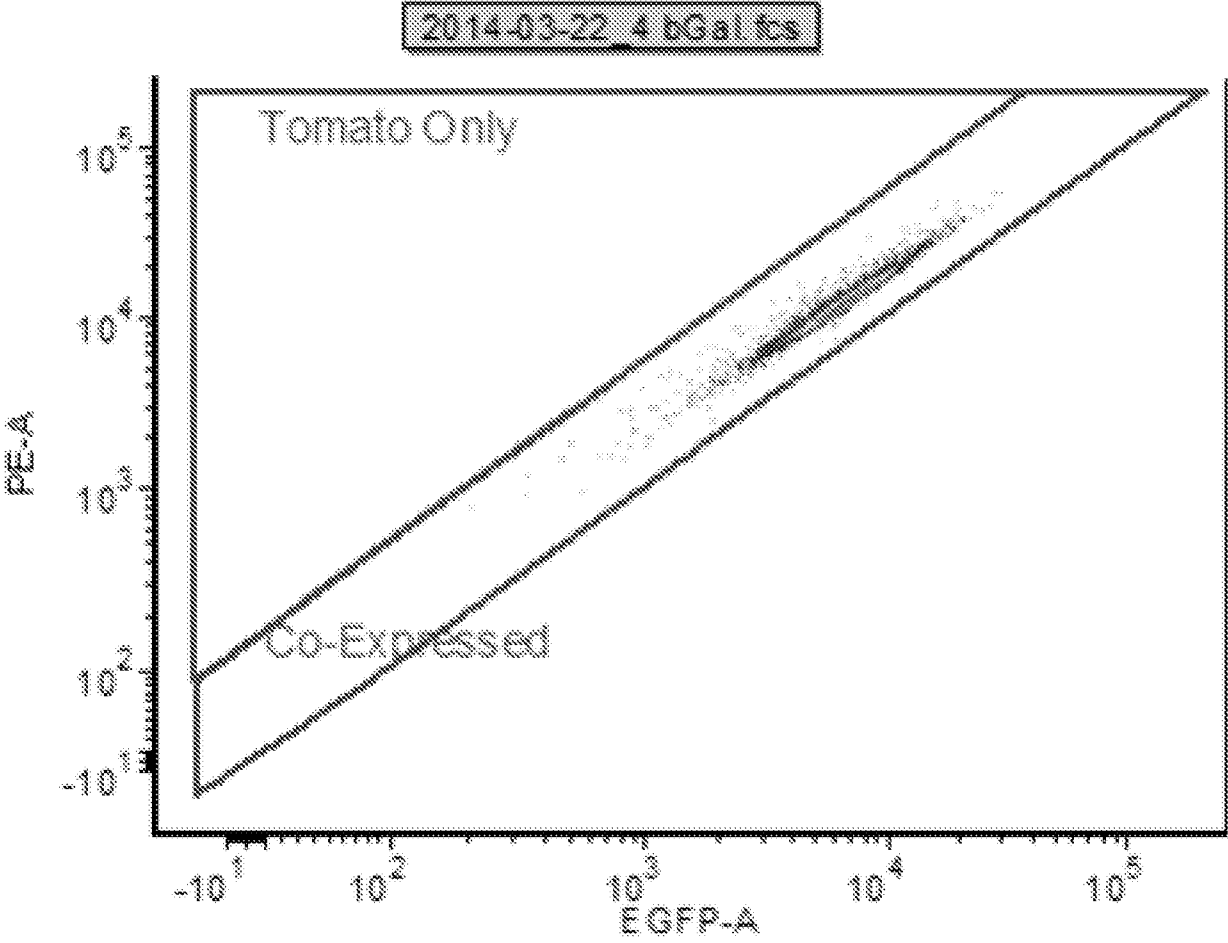


FIG. 9B

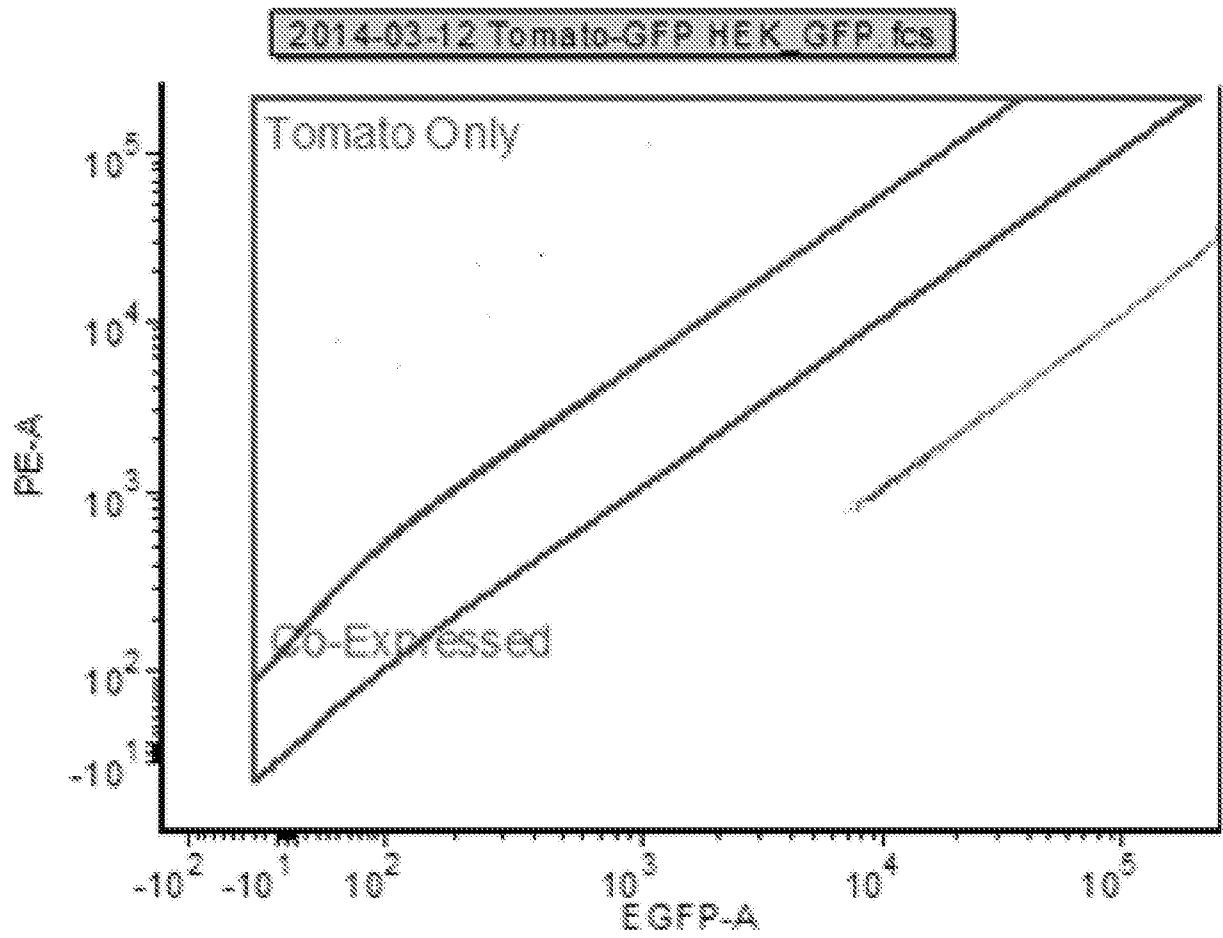


FIG. 9C

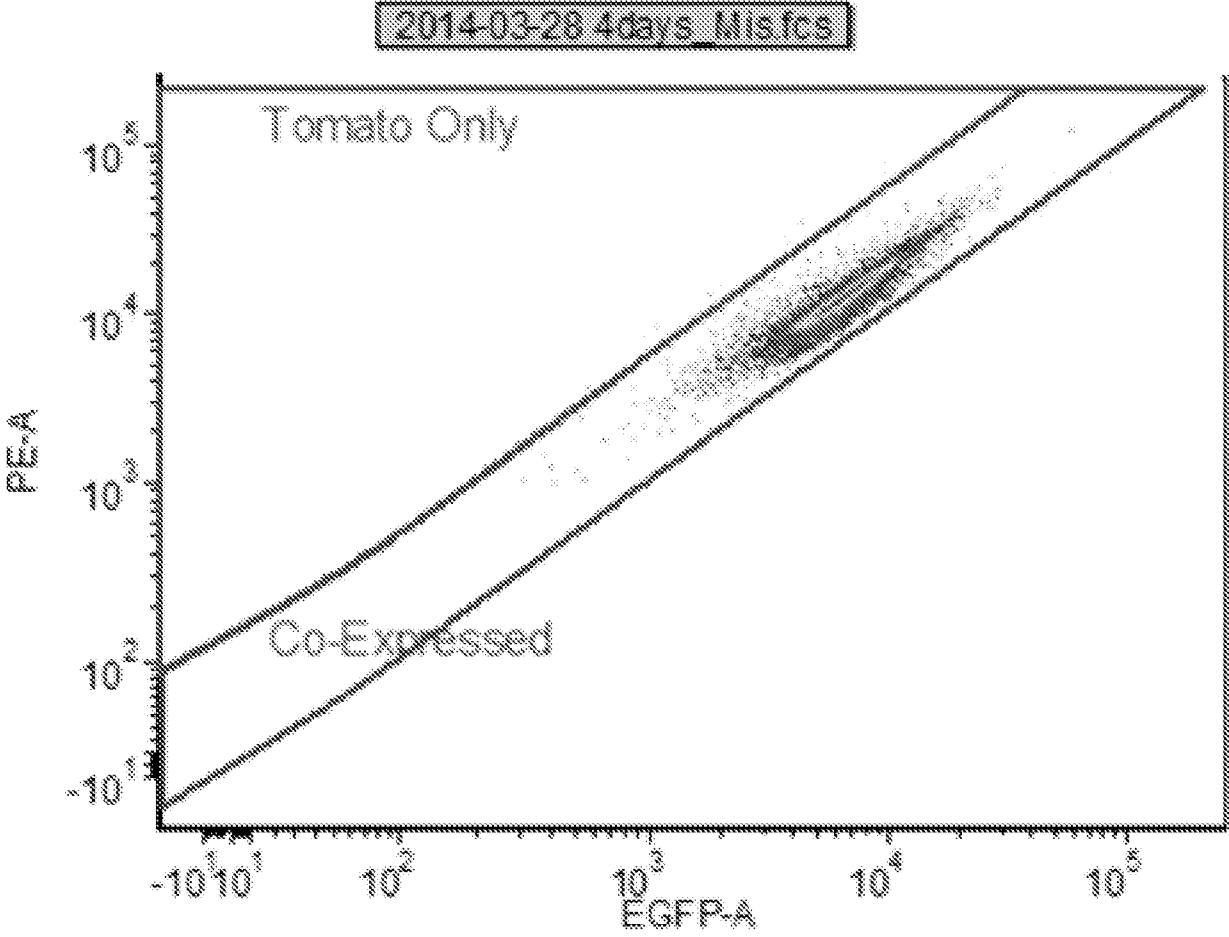


FIG. 9D

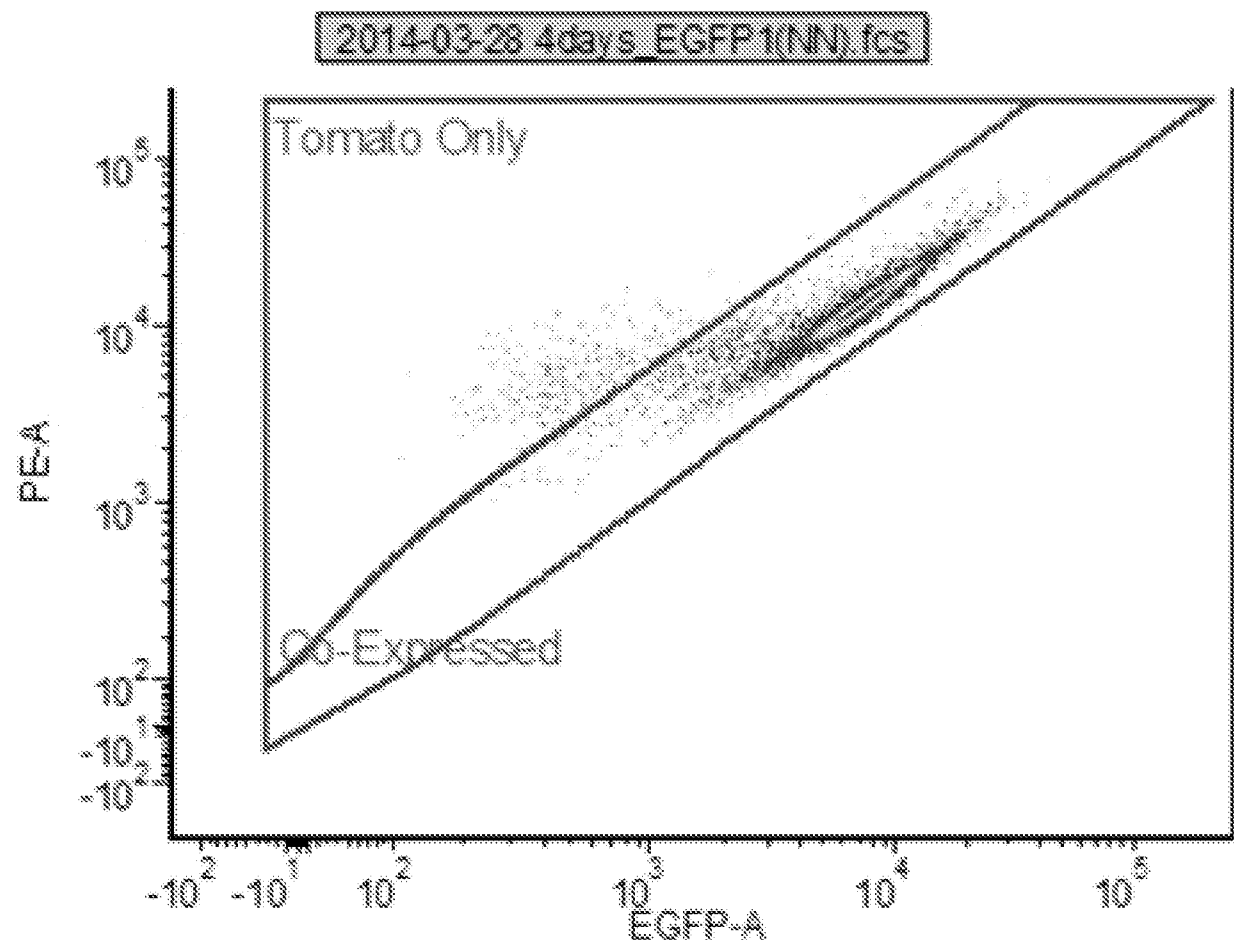


FIG. 9E

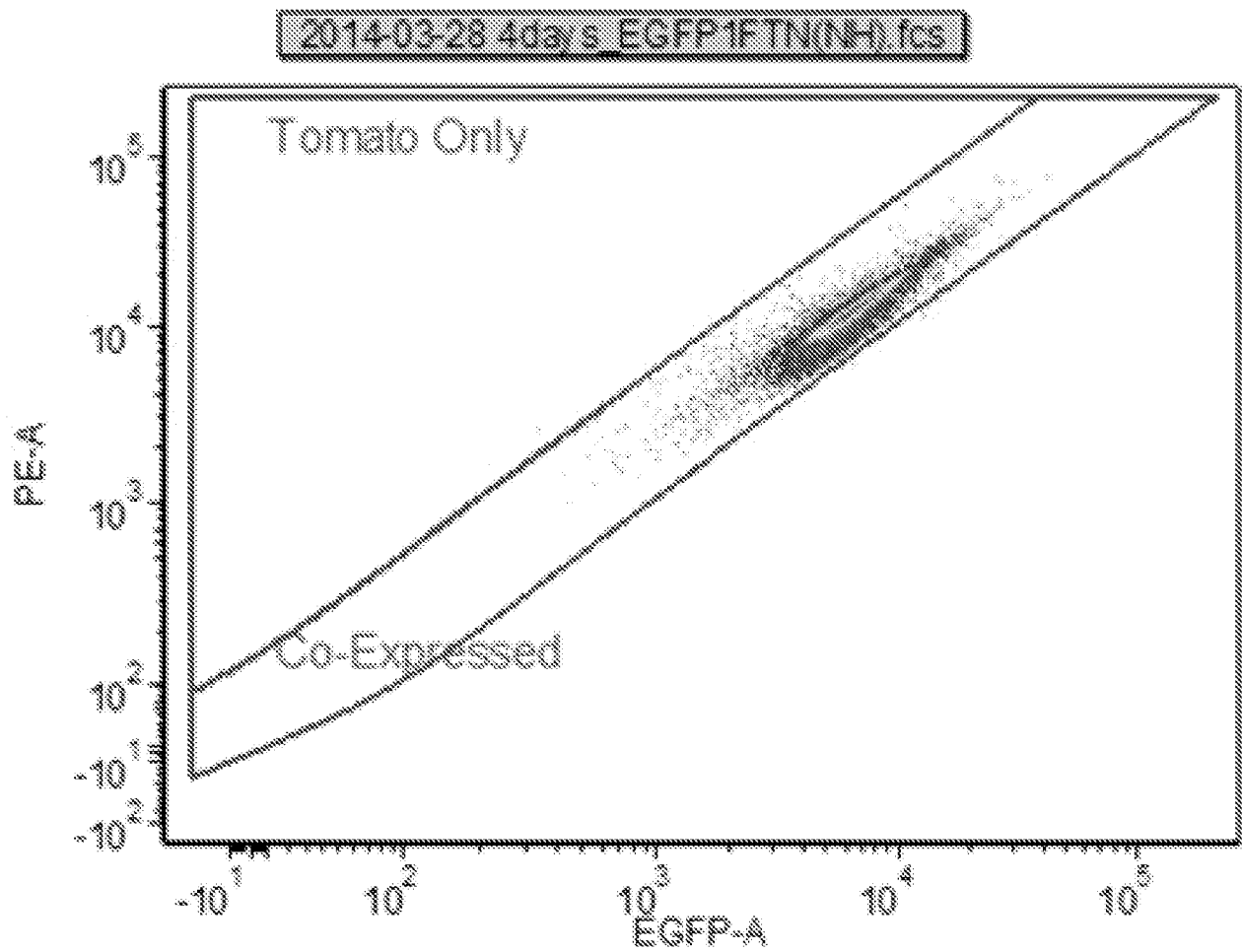


FIG. 9F

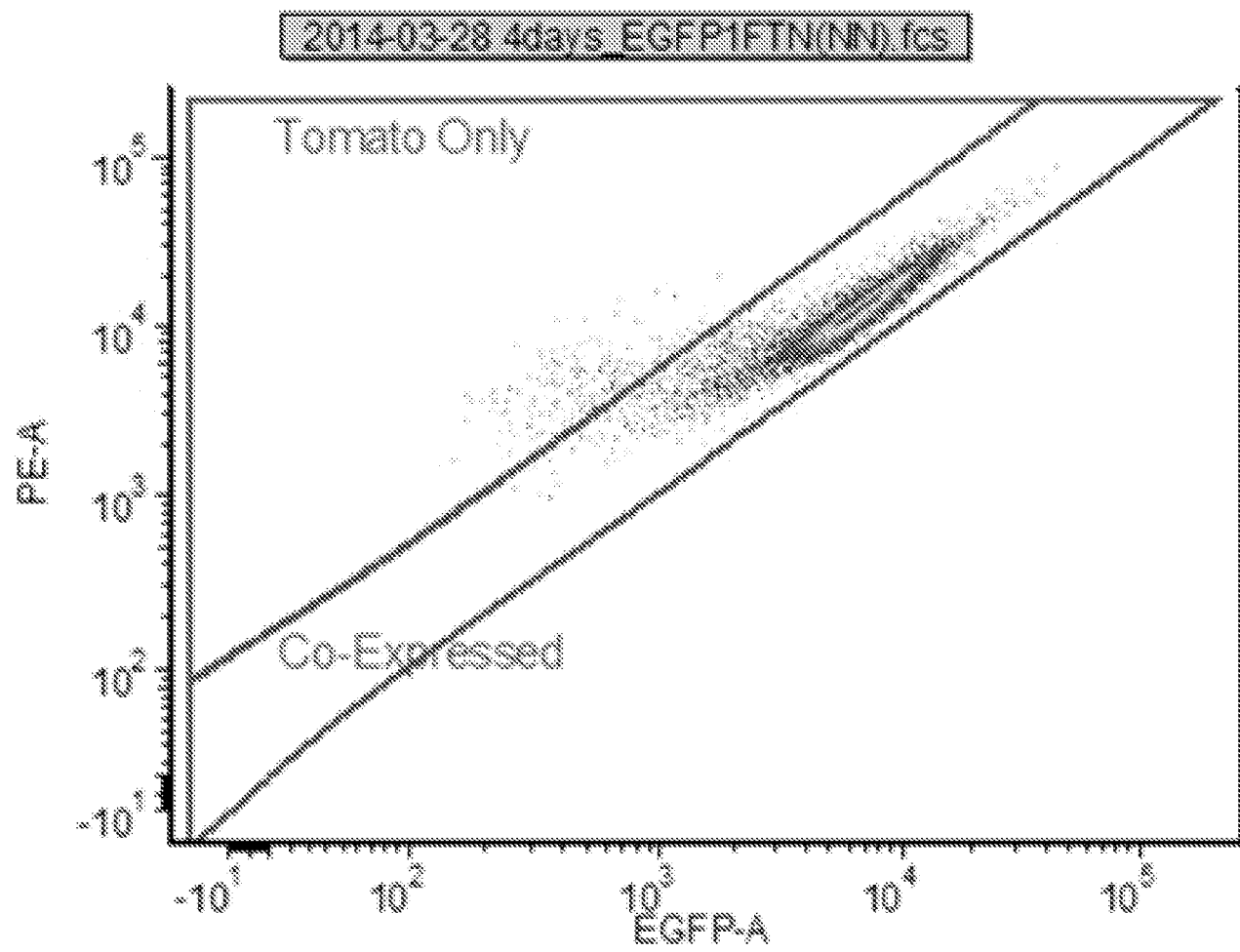


FIG. 9G

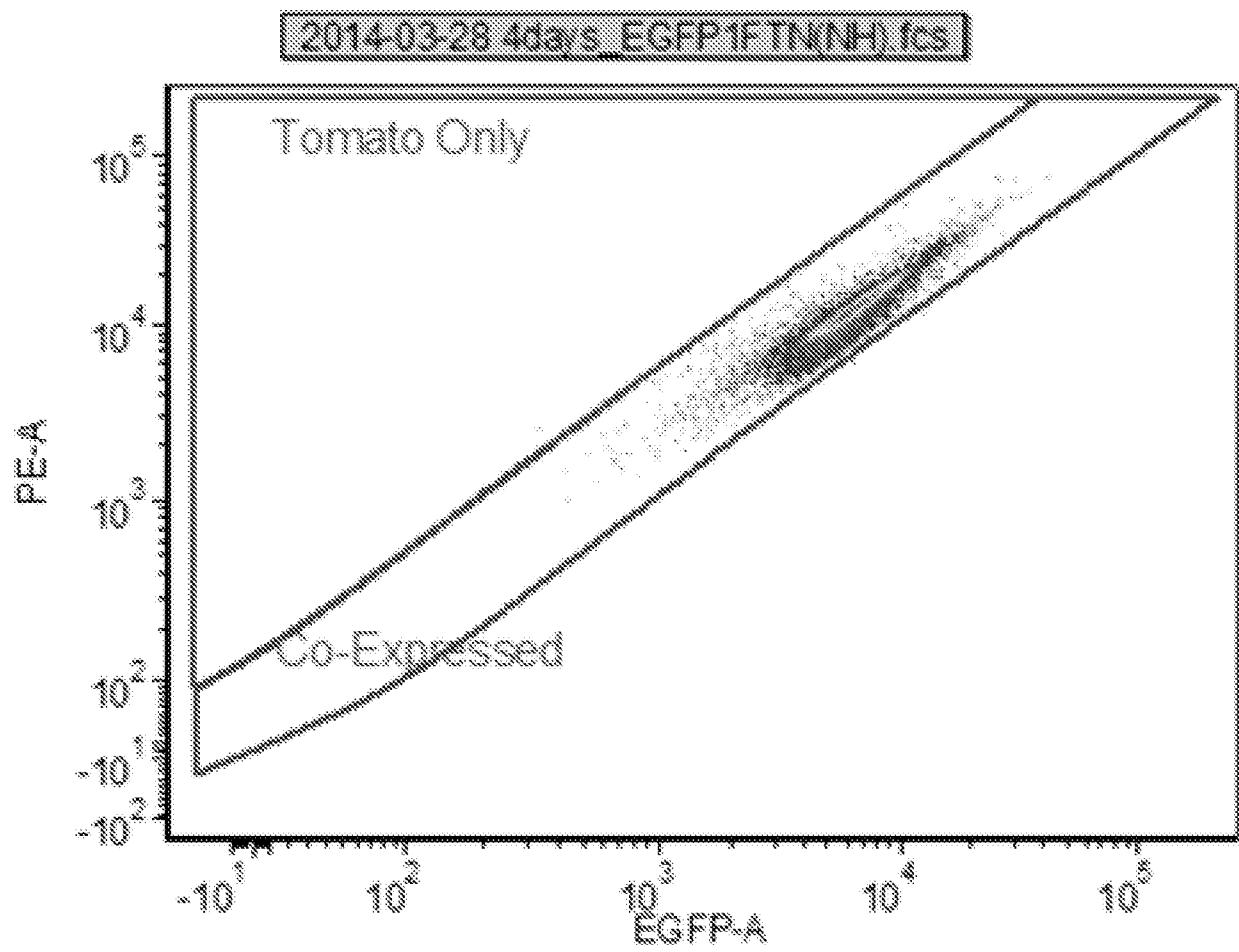


FIG. 9H



FIG. 10

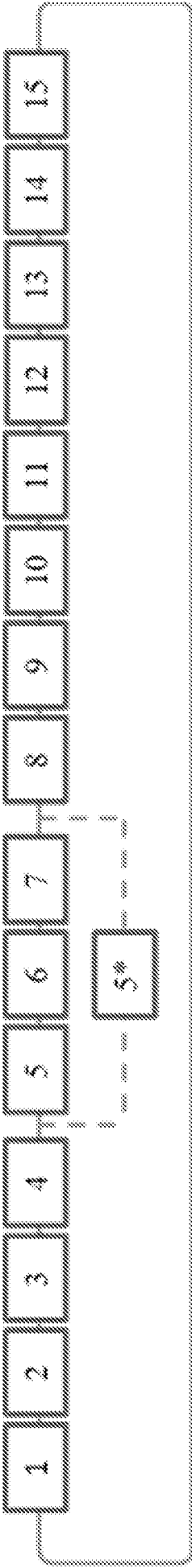


FIG. 11A

1-4, Optional 5*, 9-15	AA	AT	AD	AC	TA	TT	TD	TC
	DA	DT	DD	DC	CA	CT	CD	CC
	A	T	G	C	D			
	GA	GT	GG	GC	AG	TG	CG	
5-7								
	AA	AT	AD	AC	TA	TT	TD	TC
	DA	DT	DD	DC	CA	CT	CD	CC
8	AG	TG	GG	CG	GA	GT	GC	
	AA	AT	AD	AC	TA	TT	TD	TC
	DA	DT	DD	DC	CA	CT	CD	CC
	A	T	G	C	D			
	GA	GT	GG	GC	AG	TG	CG	
	A-P2A-CMV		T-P2A-CMV		G-P2A-CMV		C-P2A-CMV	
	CMV-A		CMV-T		CMV-G		CMV-C	
Receiver								

FIG. 11B

Target Gene	No. Exp	No. Syn	Cleavage Activity	Sequence Alignment*
ASCL1	1	1	-	Yes
ATOH7	2	7	+	
ELF1	3	13	+	
ELK3	4	17	+	
FOXB1	5	33	+	
FOXD4L1	6	41	+	
FOXF2	7	45	+	
FOXP4	8	66	+	
GATA1	9	70	-	Yes
GATA4	10	73	-	Yes
HES5	11	82	-	Yes
HOXA10	12	92	-	
HOXD1	13	121	-	Yes
HOXD10	14	122	+	
KLF9	15	153	+	
LMX1A	16	162	+	
MYF6	17	178	-	Yes
NEUROG1	18	185	-	Yes
DHS_37_1 FTN	19	189	+	
DHS_37_2 FTN	20	190	+	
HPRT2 FTN	21	191	+	
HPRT1 FTN	22	192	+	

FIG. 12