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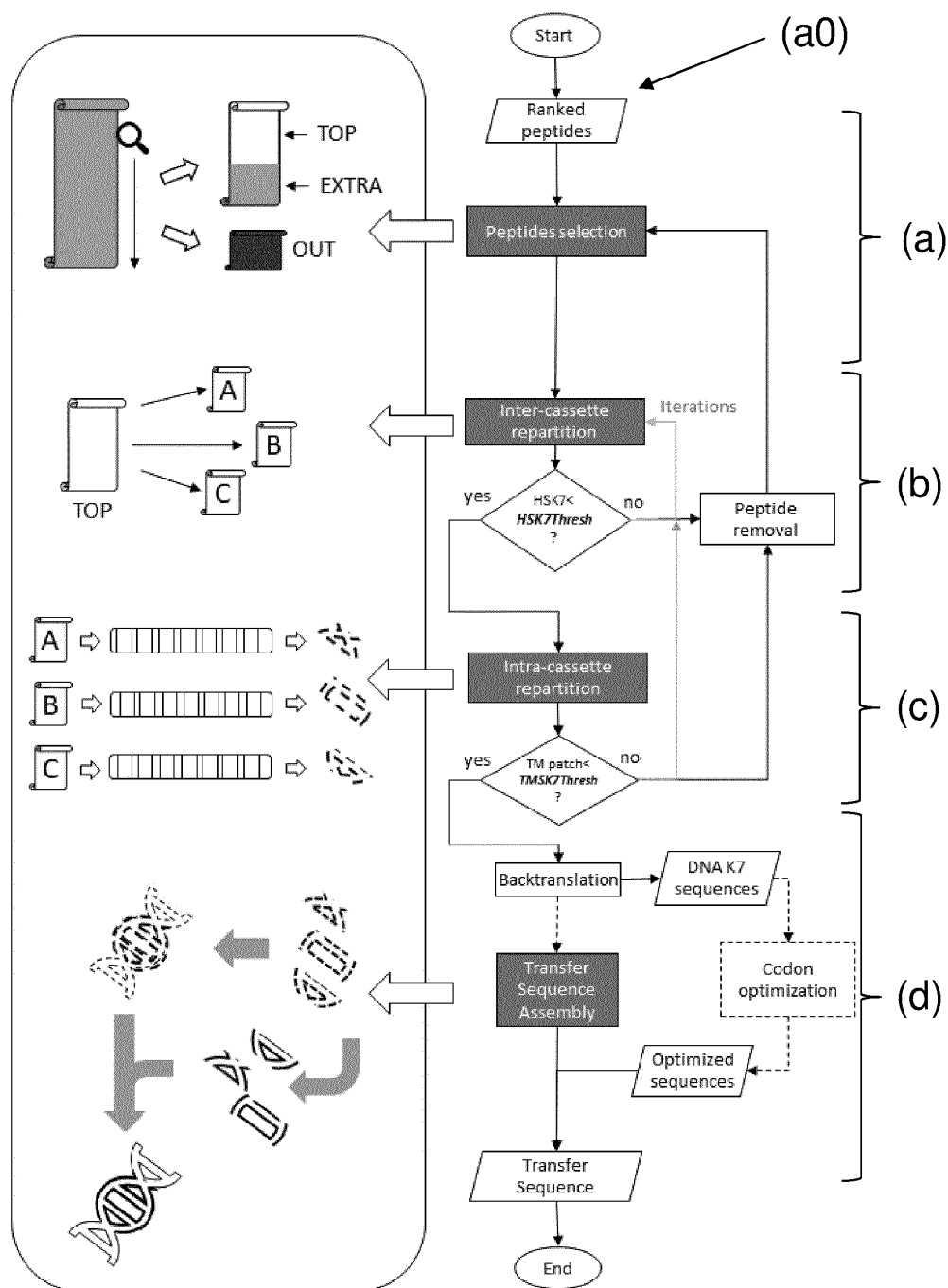


FIG. 1

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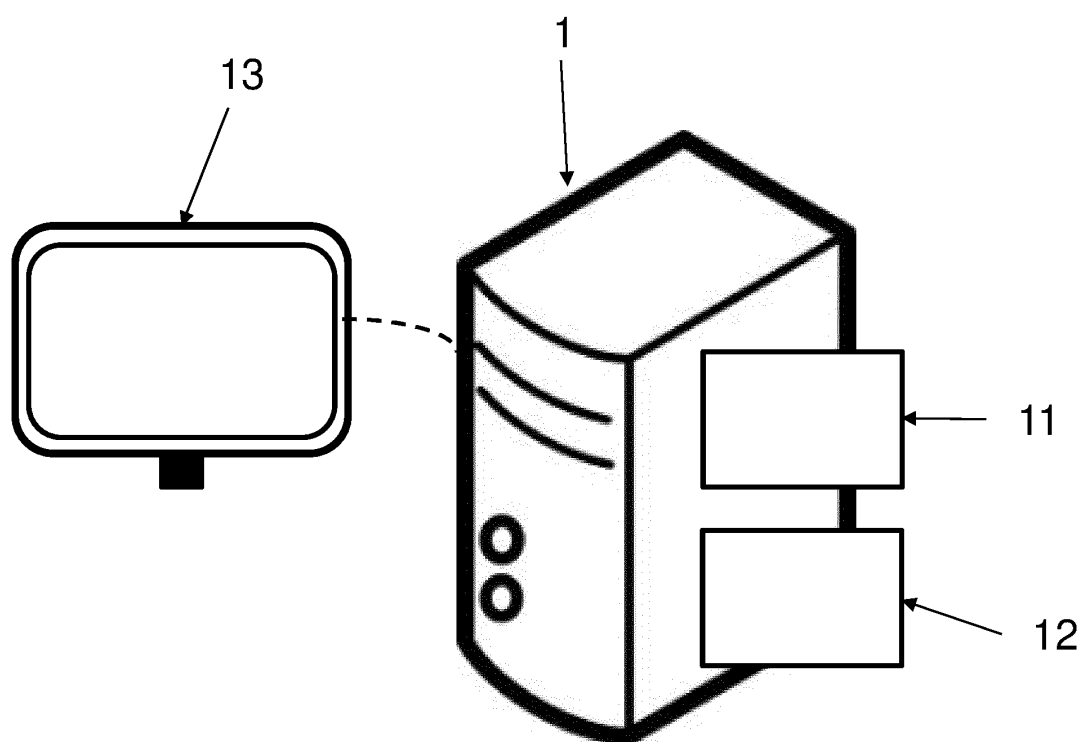


FIG. 2

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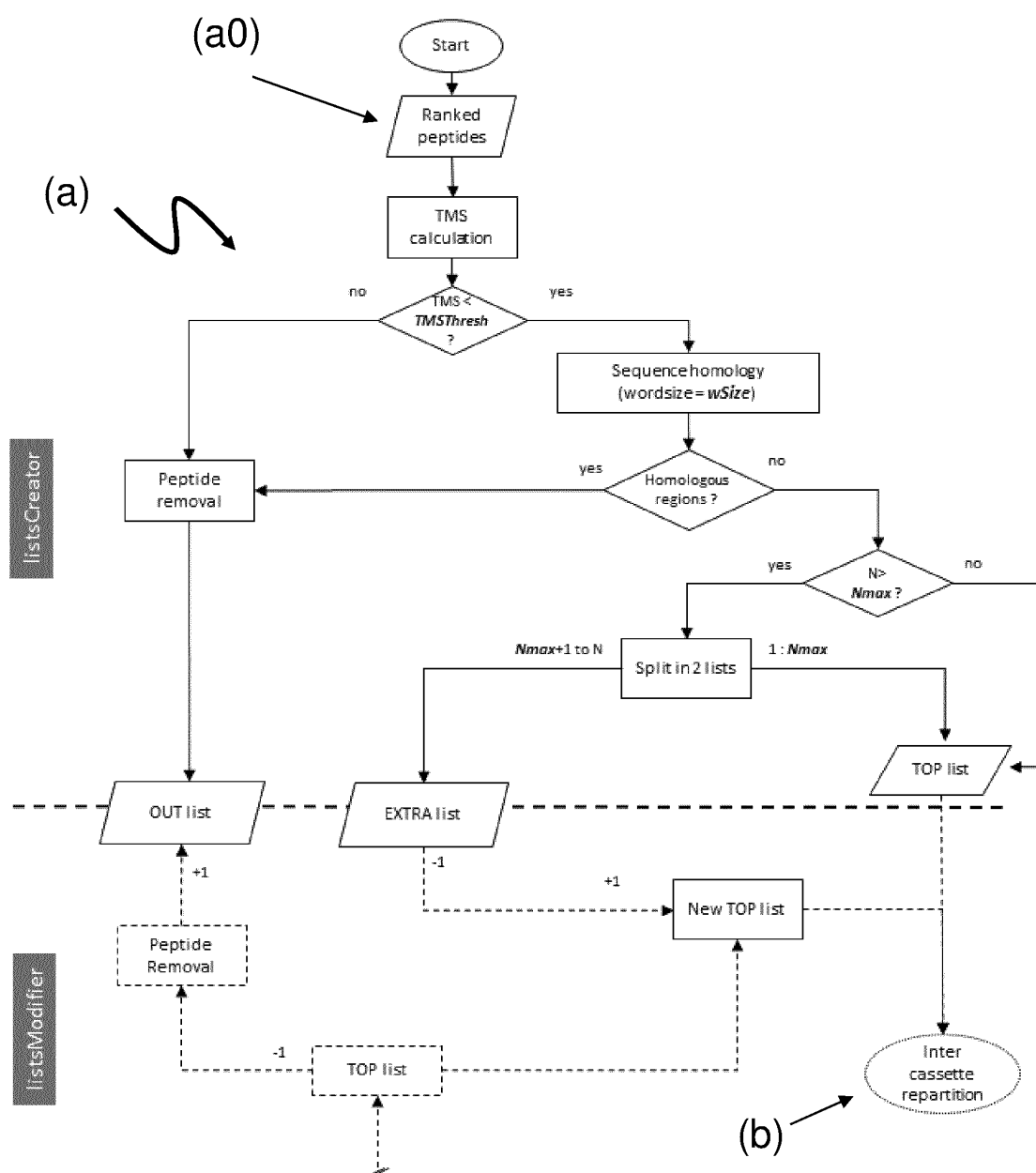


FIG. 3

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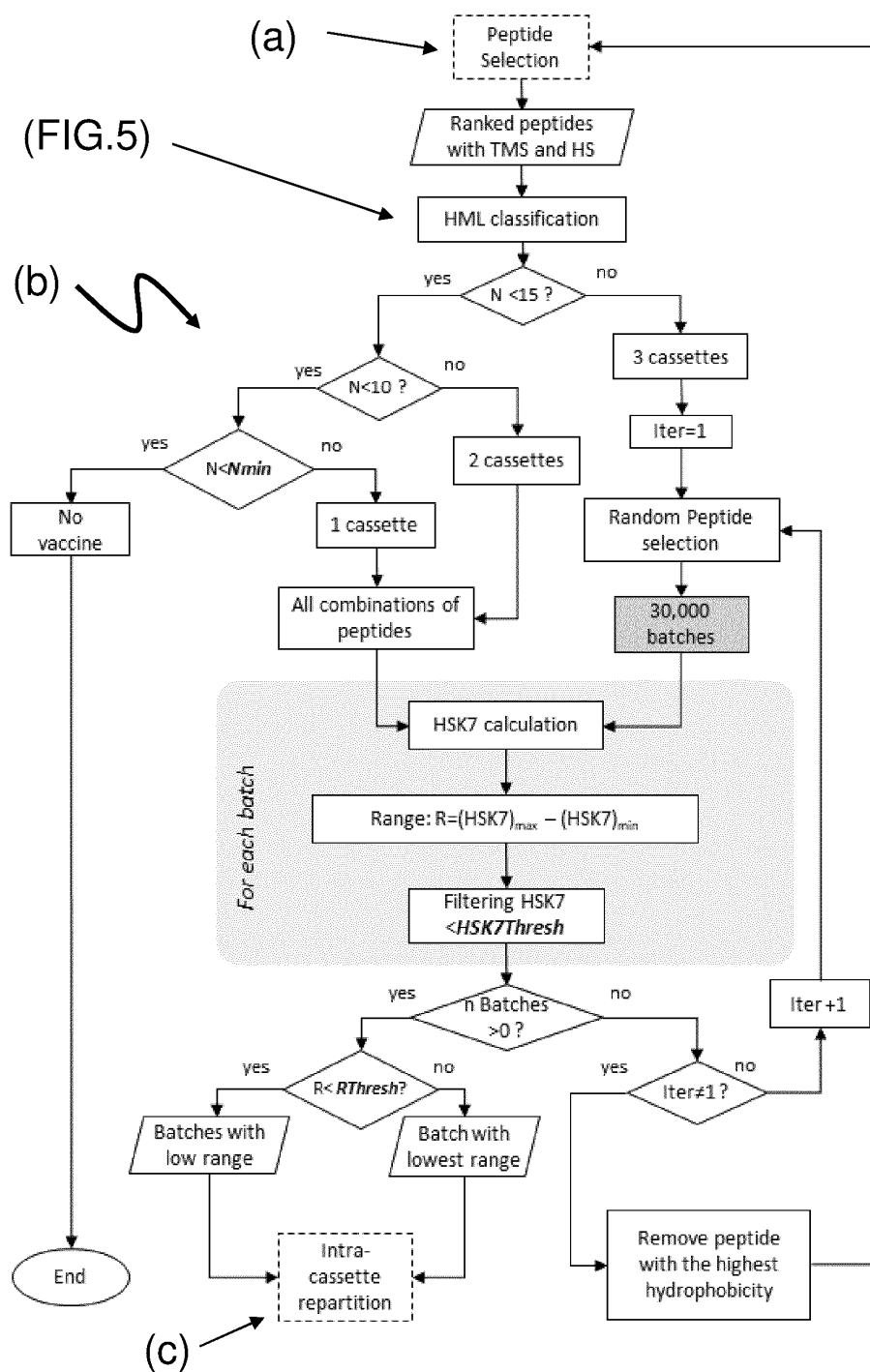


FIG. 4

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Nb of peptides	Total per class			Cassette A				Cassette B				Cassette C			
	L	M	H	n	L	M	H	n	L	M	H	n	L	M	H
30	18	6	6	10	6	2	2	10	6	2	2	10	6	2	2
29	17	6	6	10	6	2	2	10	6	2	2	9	5	2	2
28	16	6	6	10	6	2	2	9	5	2	2	9	5	2	2
27	15	6	6	9	5	2	2	9	5	2	2	9	5	2	2
26	14	6	6	9	5	2	2	9	5	2	2	8	4	2	2
25	13	6	6	9	5	2	2	8	4	2	2	8	4	2	2
24	12	6	6	8	4	2	2	8	4	2	2	8	4	2	2
23	11	6	6	8	4	2	2	8	4	2	2	7	3	2	2
22	10	6	6	8	4	2	2	7	3	2	2	7	3	2	2
21	9	6	6	7	3	2	2	7	3	2	2	7	3	2	2
20	8	6	6	7	3	2	2	7	3	2	2	6	2	2	2
19	7	6	6	7	3	2	2	6	2	2	2	6	2	2	2
18	6	6	6	6	2	2	2	6	2	2	2	6	2	2	2
17	6	6	5	6	2	2	2	6	2	2	2	5	2	2	1
16	6	6	4	6	2	2	2	5	2	2	1	5	2	2	1
15	6	6	3	5	2	2	1	5	2	2	1	5	2	2	1
14	6	4	4	7	3	2	2	7	3	2	2				
13	5	4	4	7	3	2	2	6	2	2	2				
12	4	4	4	6	2	2	2	6	2	2	2				
11	4	4	3	6	2	2	2	5	2	2	1				
10	4	4	2	5	2	2	1	5	2	2	1				
9	5	2	2					9	5	2	2				
8	4	2	2					8	4	2	2				
7	3	2	2					7	3	2	2				
6	2	2	2					6	2	2	2				
5	2	2	1					5	2	2	1				
4	2	1	1					4	2	1	1				
3	1	1	1					3	1	1	1				
2		1	1					2		1	1				
1			1					1			1				

FIG. 5

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Peptide	TMS	HS	Class
FZD9	11	1.32	H
CSPG4	3	0.07	H
GATA6	3	-0.42	H
NDEL1	0	0.64	H
FOXM1	0	0.6	H
FGFR4	0	0.32	H
IQCA1	0	0.07	M
BBS12	0	-0.13	M
TRPM4	0	-0.17	M
HSPA12A	0	-0.2	M
CYP1B1	0	-0.21	M
PLIN5	0	-0.21	M
LRRK2	0	-0.25	L
SNX30	0	-0.27	L
MYO1G	0	-0.29	L
ARG1	0	-0.36	L
ATRNL1	0	-0.39	L
ZBTB5	0	-0.44	L
MCHR1	0	-0.45	L
GRK4	0	-0.46	L
KBTBD3	0	-0.47	L
OSGIN2	0	-0.49	L
PLCE1	0	-0.5	L
RPGRIP1L	0	-0.71	L
PLD5	0	-0.82	L
RIMS2	0	-0.99	L
ZNF81	0	-1.03	L
RSBN1L	0	-1.07	L
SMC2	0	-1.19	L
C1orf21	0	-1.31	L

FIG. 6

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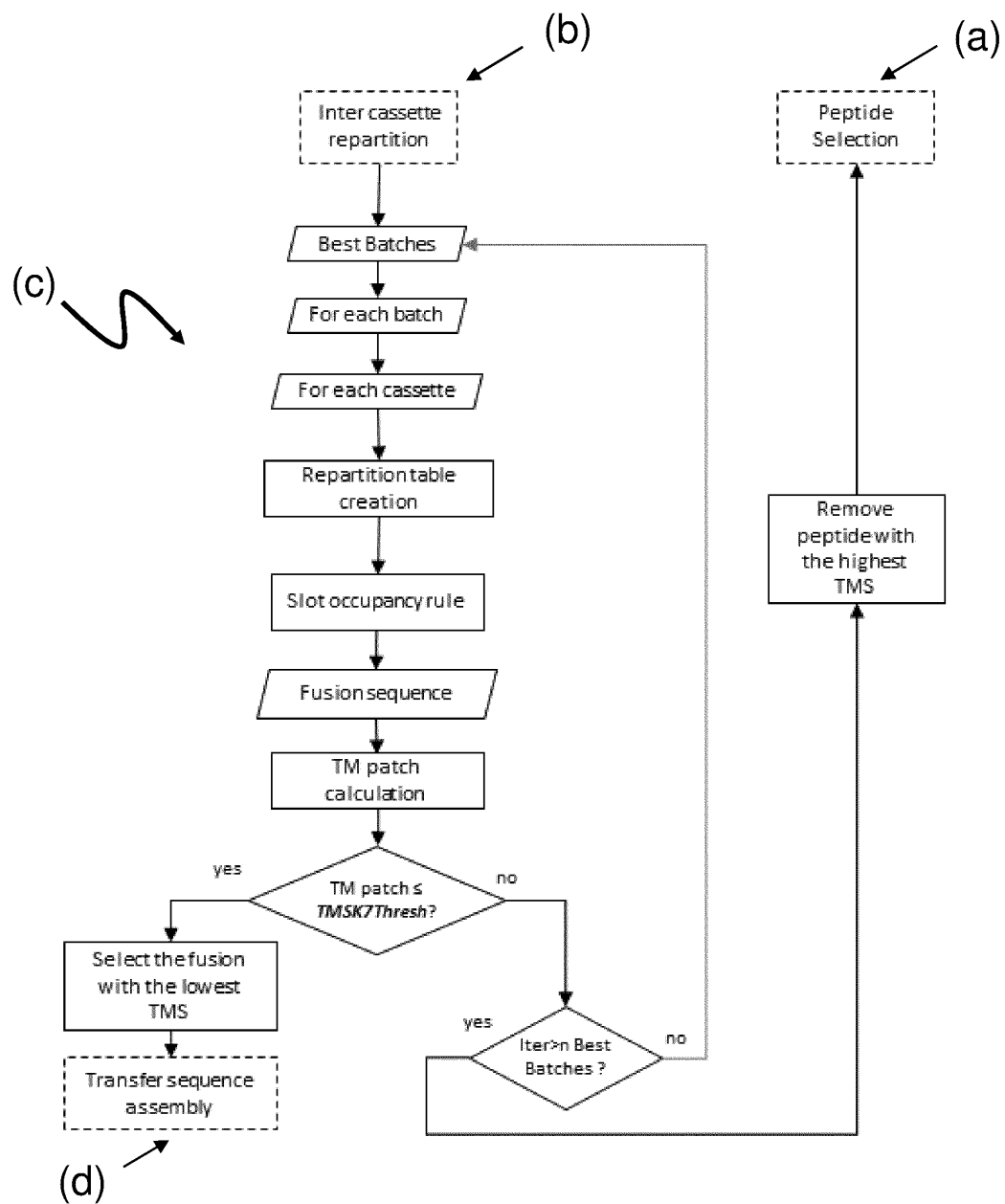
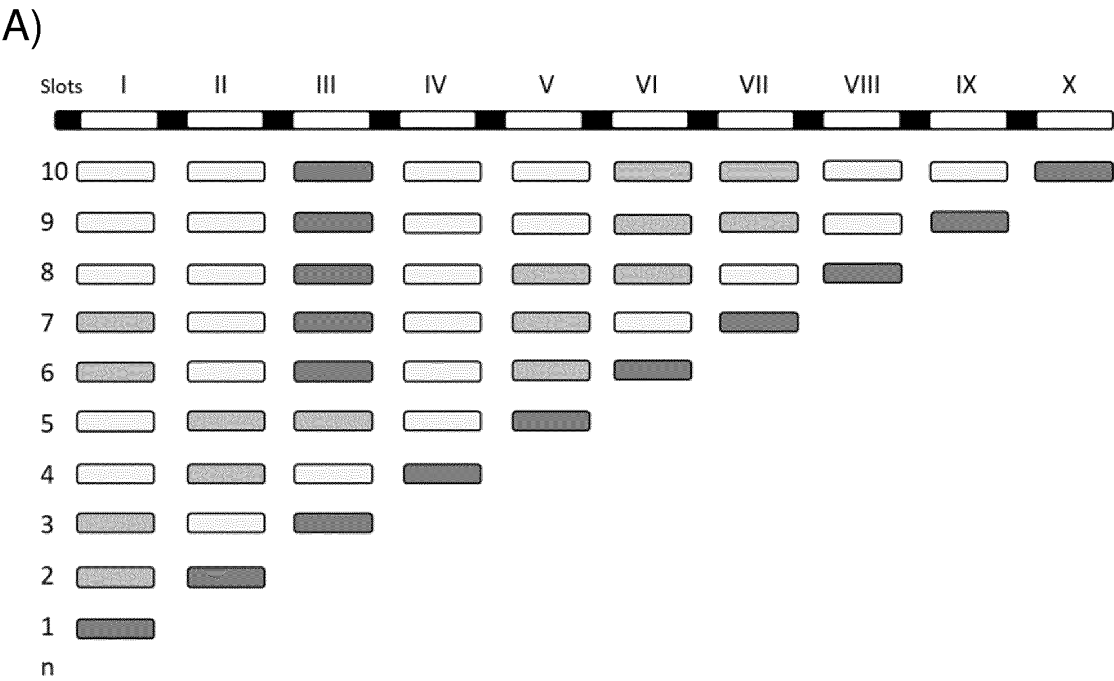


FIG. 7



B)

n	Low						Mid		High		Nb of Combinations
10	I	II	IV	V	VIII	IX	VI	VII	III	X	
9	I	II	IV	V	VIII		VI	VII	III	IX	480
8	I	II	IV	VII			V	VI	III	VIII	96
7	II	IV	VI				I	V	III	VII	24
6	II	IV					I	V	III	VI	8
5	I	IV					II	III	V		4
4	I	III					II		IV		2
3	II						I		III		1
2							I		II		1
1									I		1

FIG. 8

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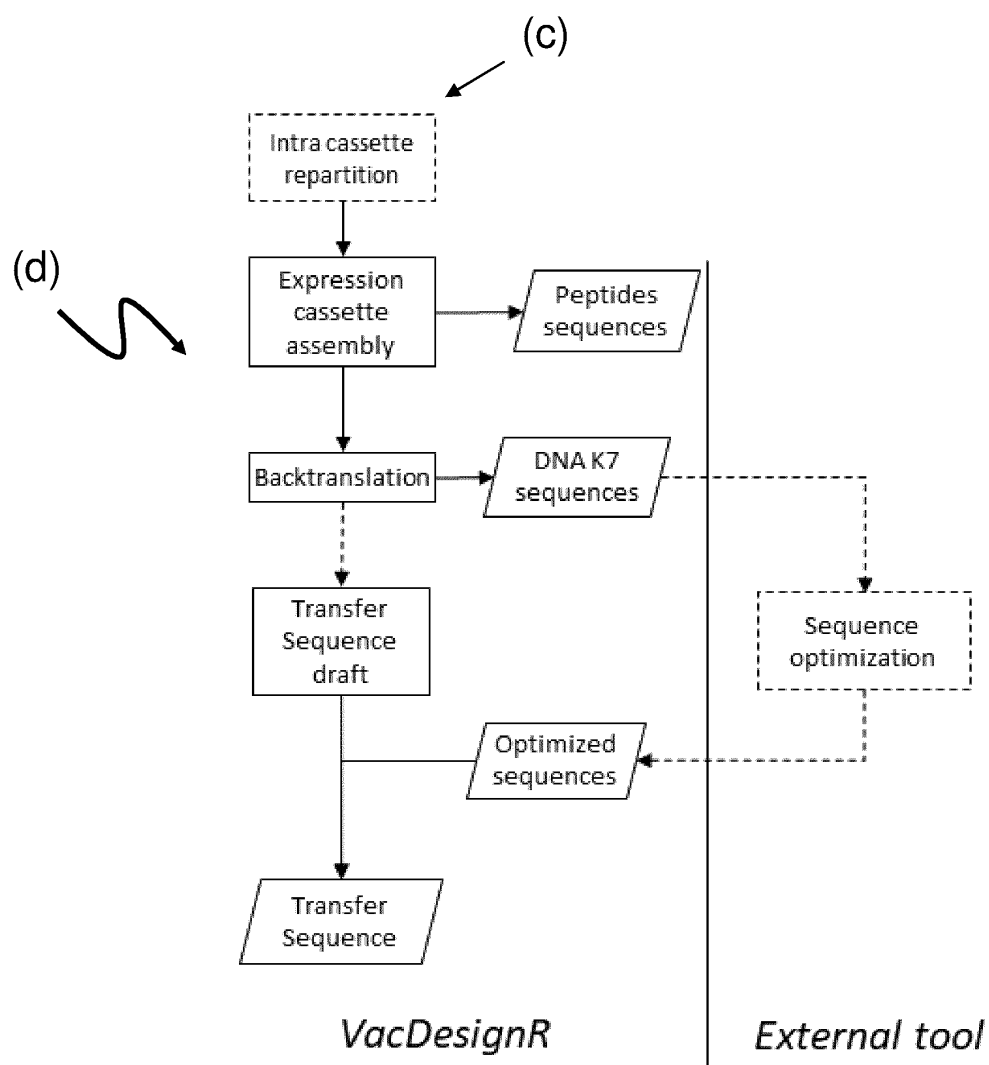


FIG. 9

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	I	II	III	IV	V	VI	VII	VIII	IX	X	Slots	I	II	III	IV	V	VI
Construct	pTG19247			pTG19266													
Cassettes	A	B	C	A	B	C											
I	ABCB1	GBE1	SBDS	ABCB1	GBE1	SBDS											
II	ACE2	HLA-DQA2	SCN9A	ACE2	OR13C2	TRBV6											
III	ACTRT1	IARS	SRGAP1	ACTRT1	IARS	SRGAP1											
IV	ANK1	IGHV2	TAS2R43	ANK1	IGHV2	ZNF727											
V	BTAF1	KMT2C	TMEM144	BTAF1	KMT2C	ZNF354A											
VI	DSG3	MED7	TNIK	DSG3	MED7	TNIK											
VII	DST	MUC16	TRBV6	-	-	-											
VIII	ERAP1	NEB	ZNF354A	-	-	-											
IX	EXT1	OR13C2	ZNF727	-	-	-											
X	GALNTL6	RB1CC1	ZFBP	-	-	-											
TM domains	0	2	3	0	0	0											
HSK7	-0.203	0.008	0.590	-0.293	-0.195	0.206											
%white plaques	1			1.8													
PCR result	Recombinant: 0 Parental: 5			Recombinant: 6 Parental: 0													

FIG. 10