

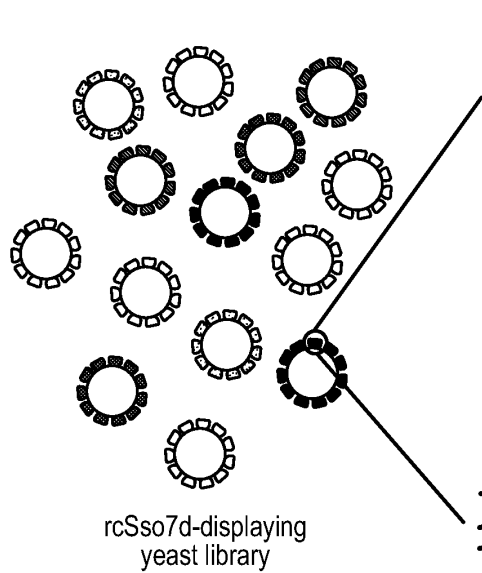


FIG. 1A

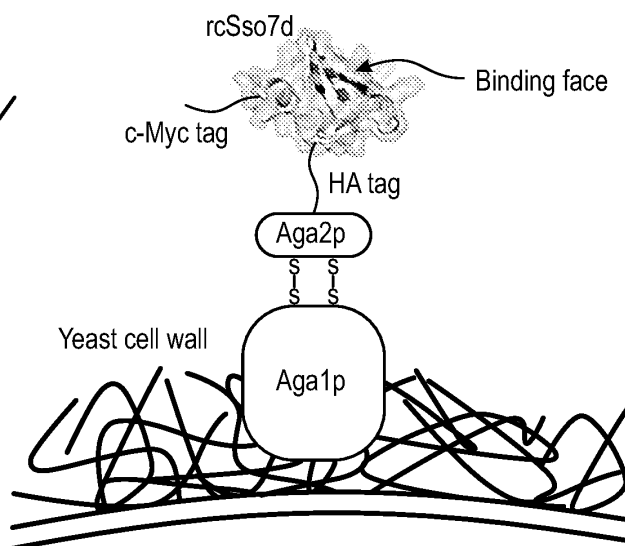


FIG. 1B

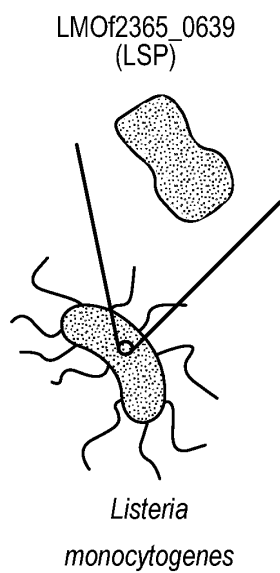


FIG. 1C

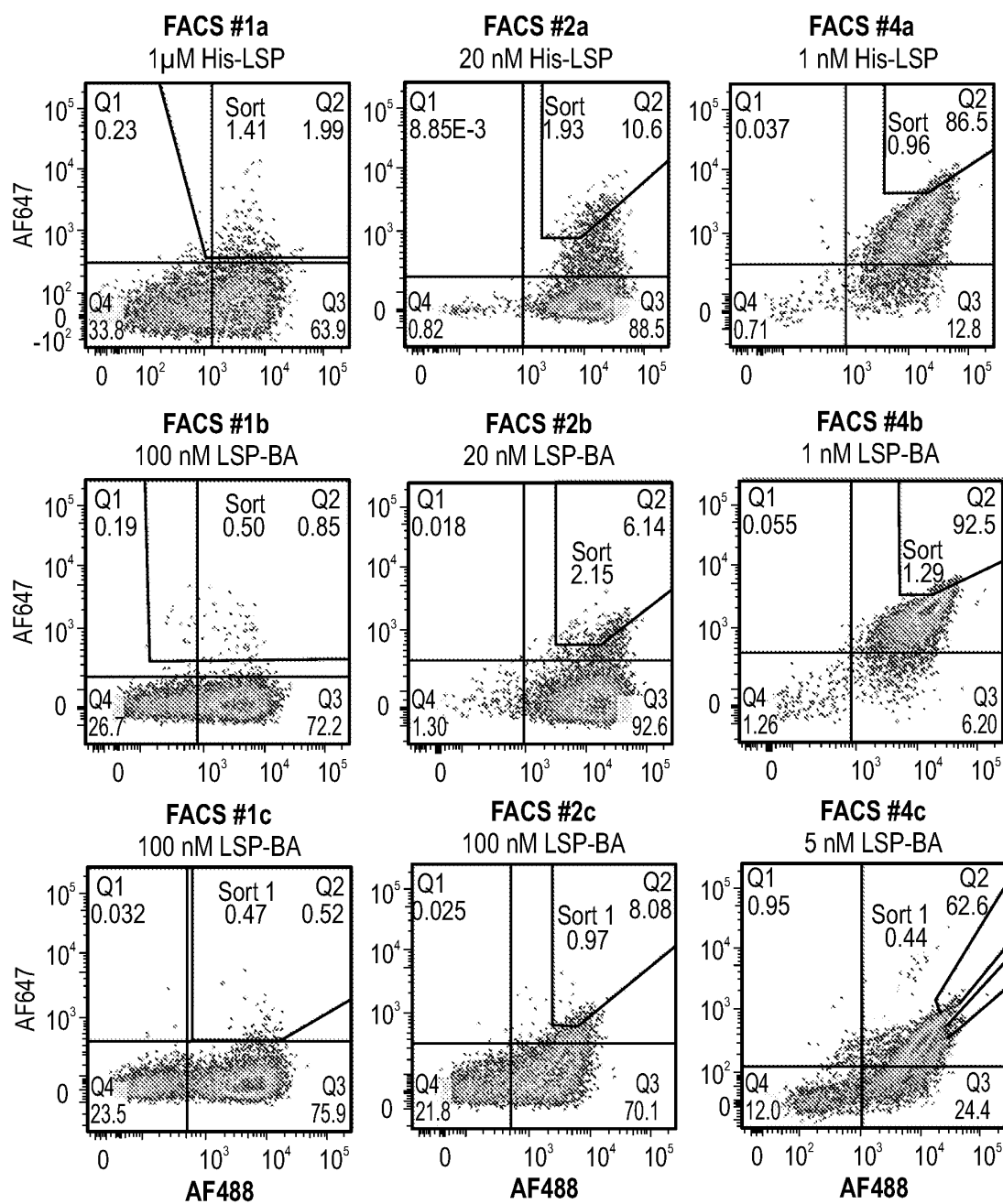


FIG. 2

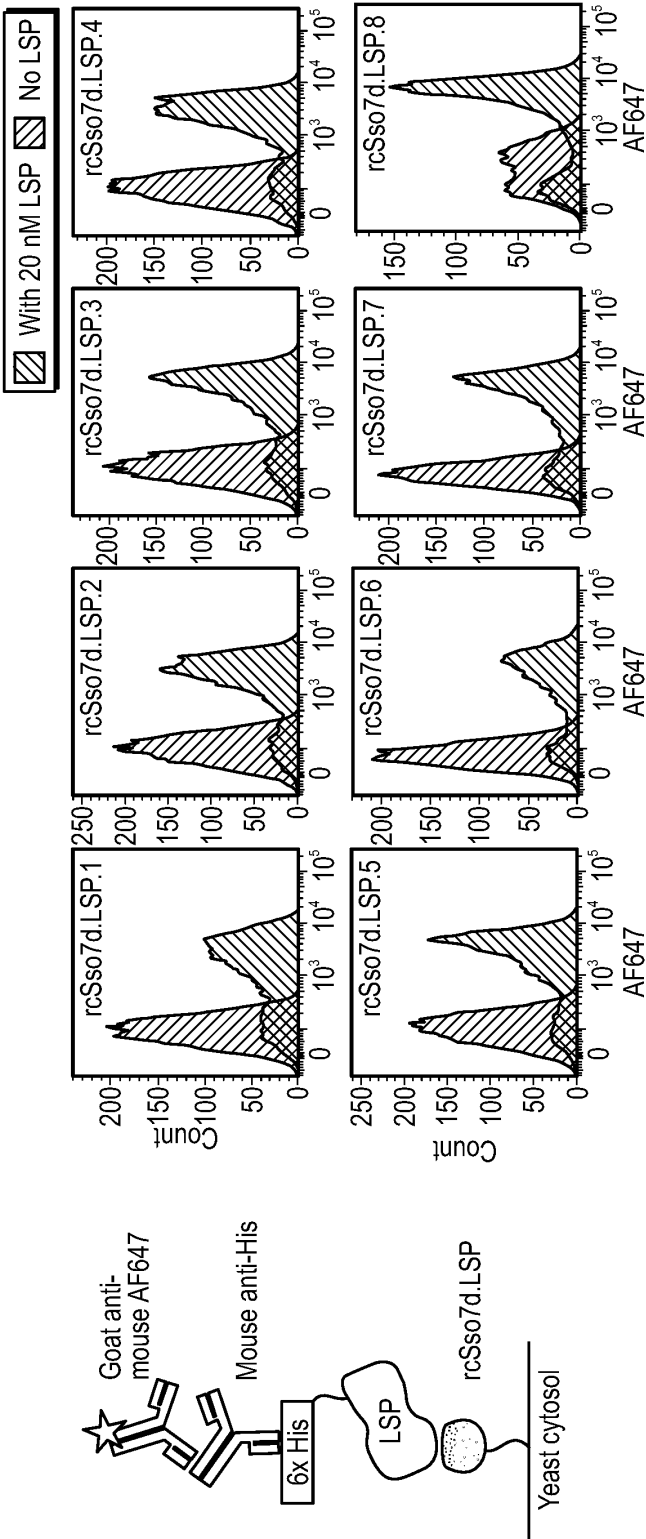


FIG. 3A

FIG. 3B

SEQ ID NO: 13: MATVFTTQGEKQVDISKI KAKRYGQII DFTDEGGA RGWGLVSEKD APKELLQMLE KQ
SEQ ID NO: 14: MATVFTTQGEKQVDISKI KMWERRAQMI DFTDEGGA KGIGLVSEKD APKELLQCMK S
SEQ ID NO: 15: MATVFTTQGEKQVDISKI KIAVVRAGQVIFSDDEGGA SGICXVSEKD APKELLQMLE KQ
SEQ ID NO: 16: MATVFTTQGEKQVDISKI KDVGRSGQNI CFYL
SEQ ID NO: 17: MATVFTTQGEKQVDISKI KDVGRHQQKI CFLL
SEQ ID NO: 18: MATVFTTQGEKQVDISKI KDVGRVQQRV CFML
SEQ ID NO: 19: MATVFTTQGEKQVDISKI KDVGRHQQHI CFML

FIG. 4A

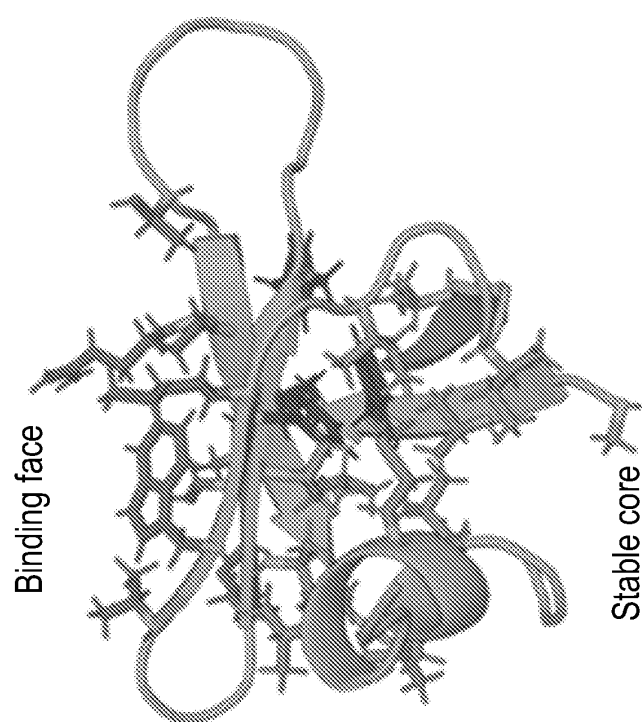


FIG. 4B

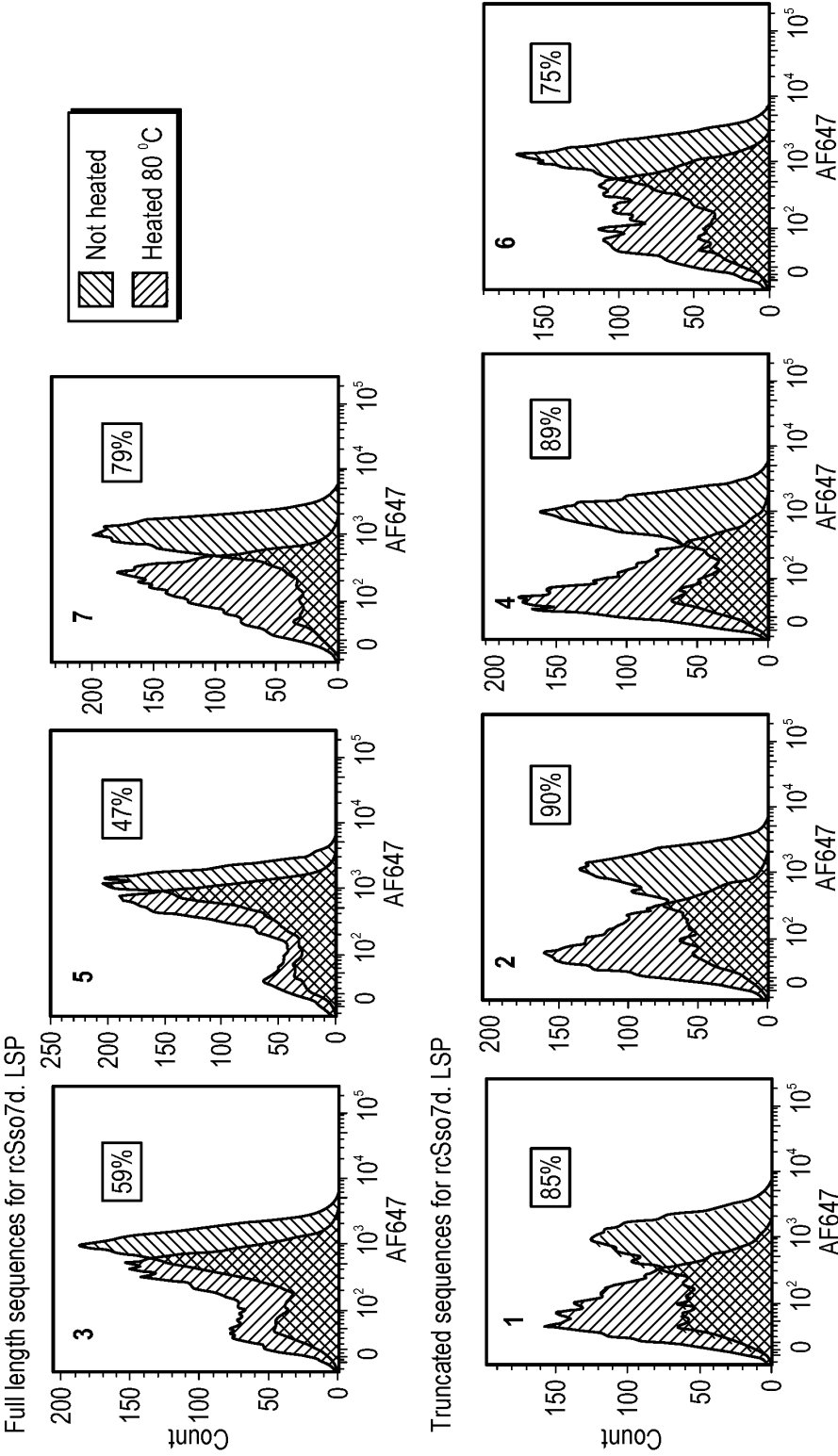


FIG. 4C

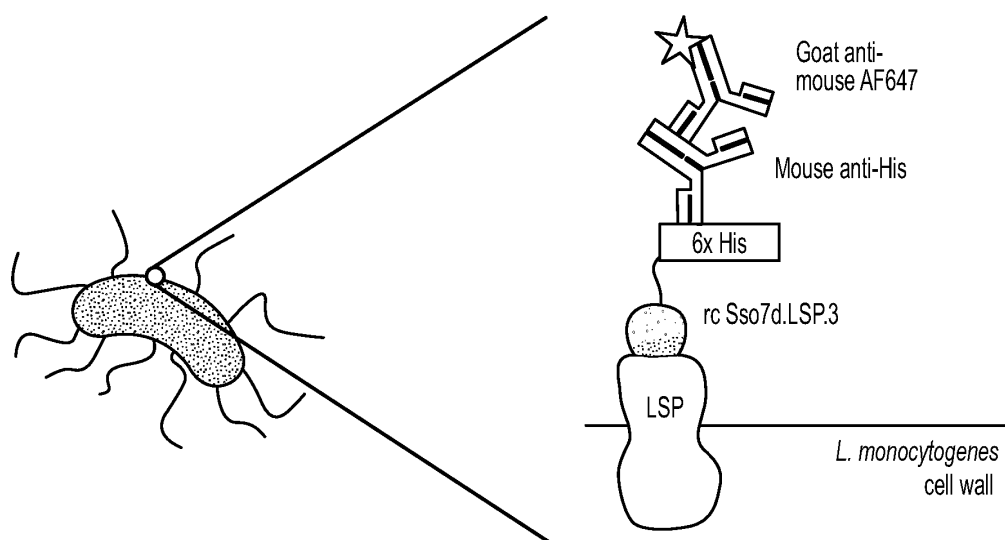


FIG. 5A

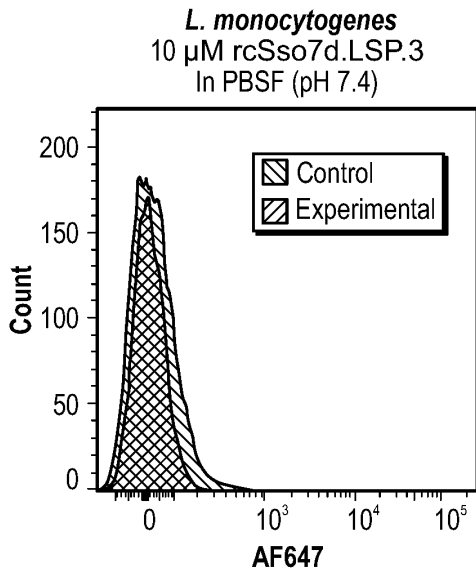


FIG. 5B

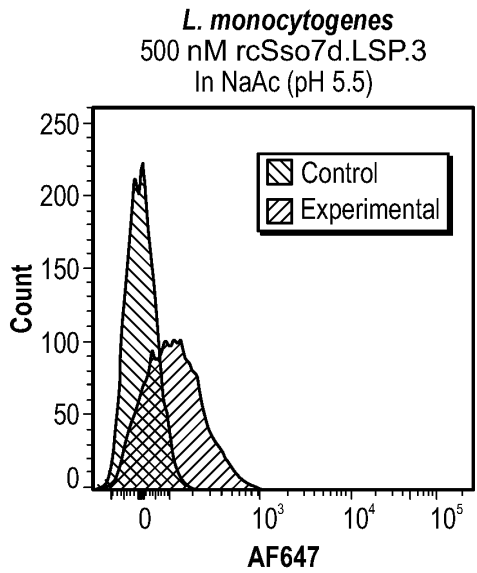


FIG. 5C

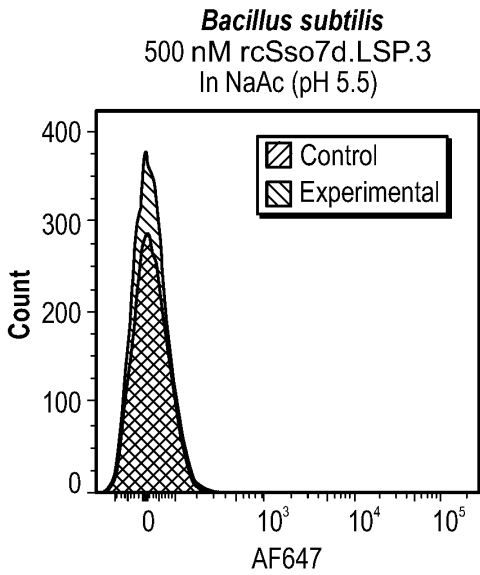


FIG. 5D

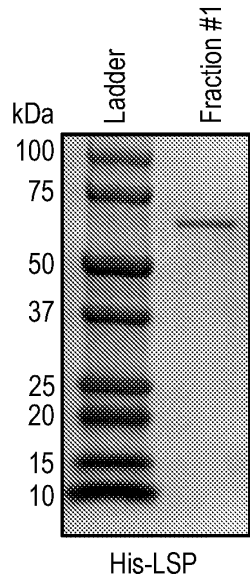


FIG. 6A

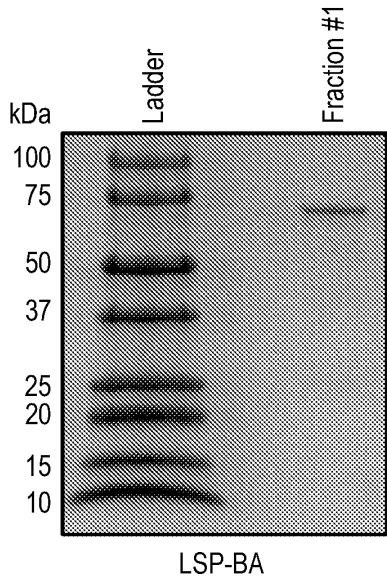


FIG. 6B

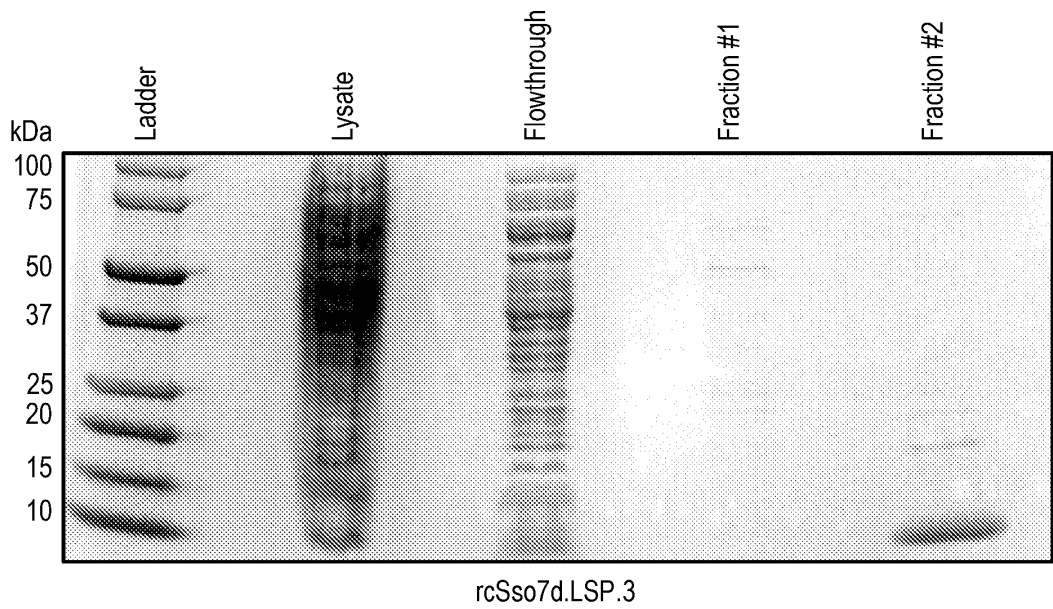


FIG. 6C

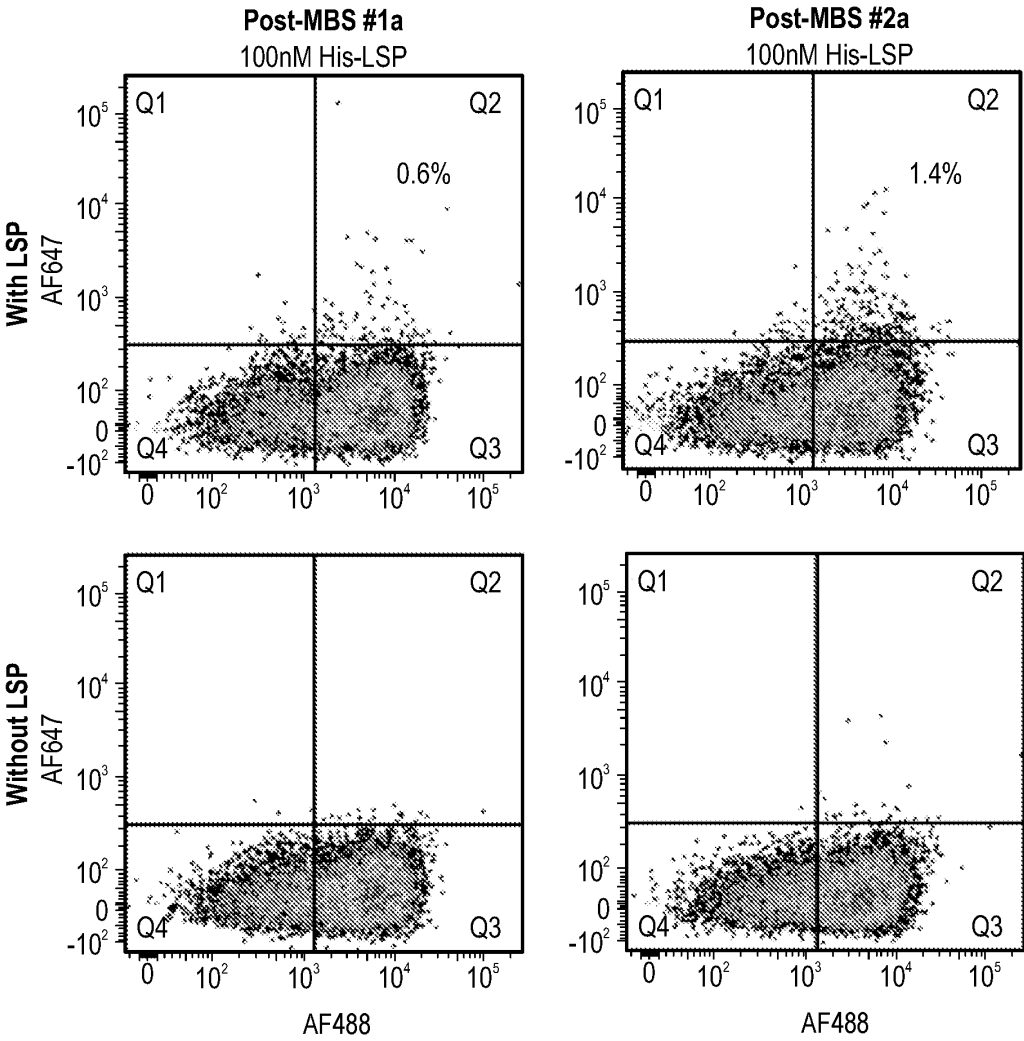


FIG. 7

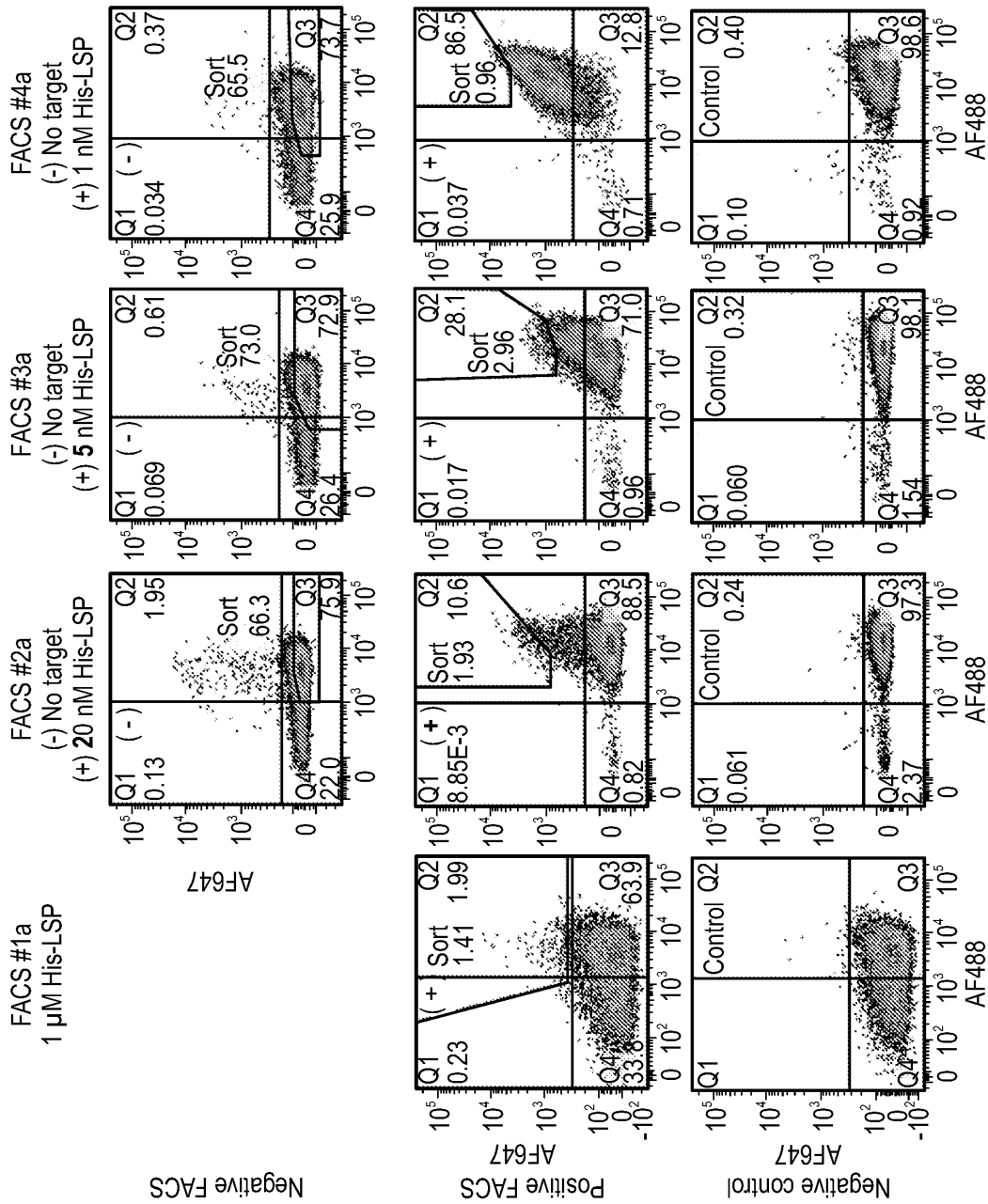


FIG. 8

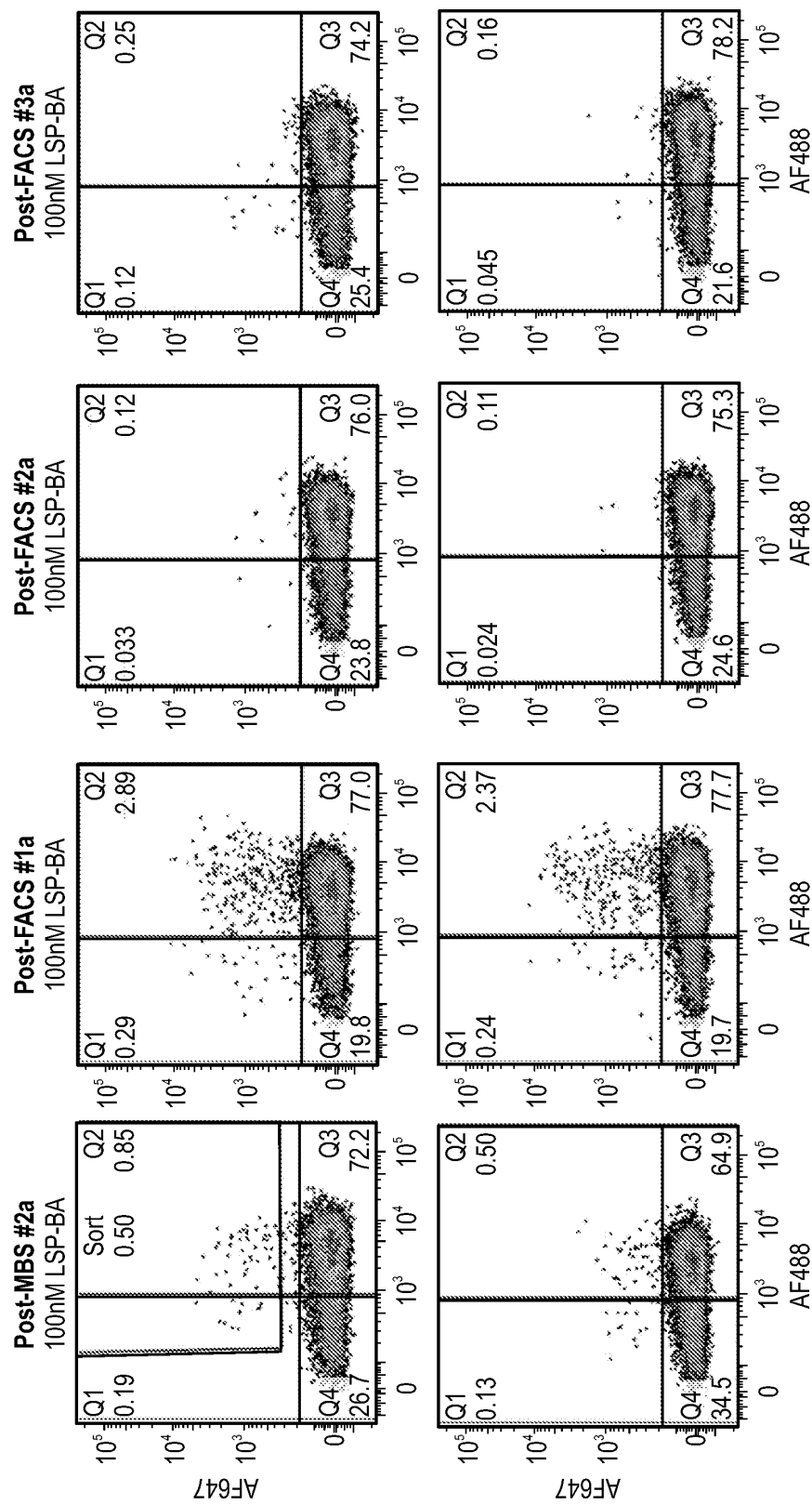


FIG. 9

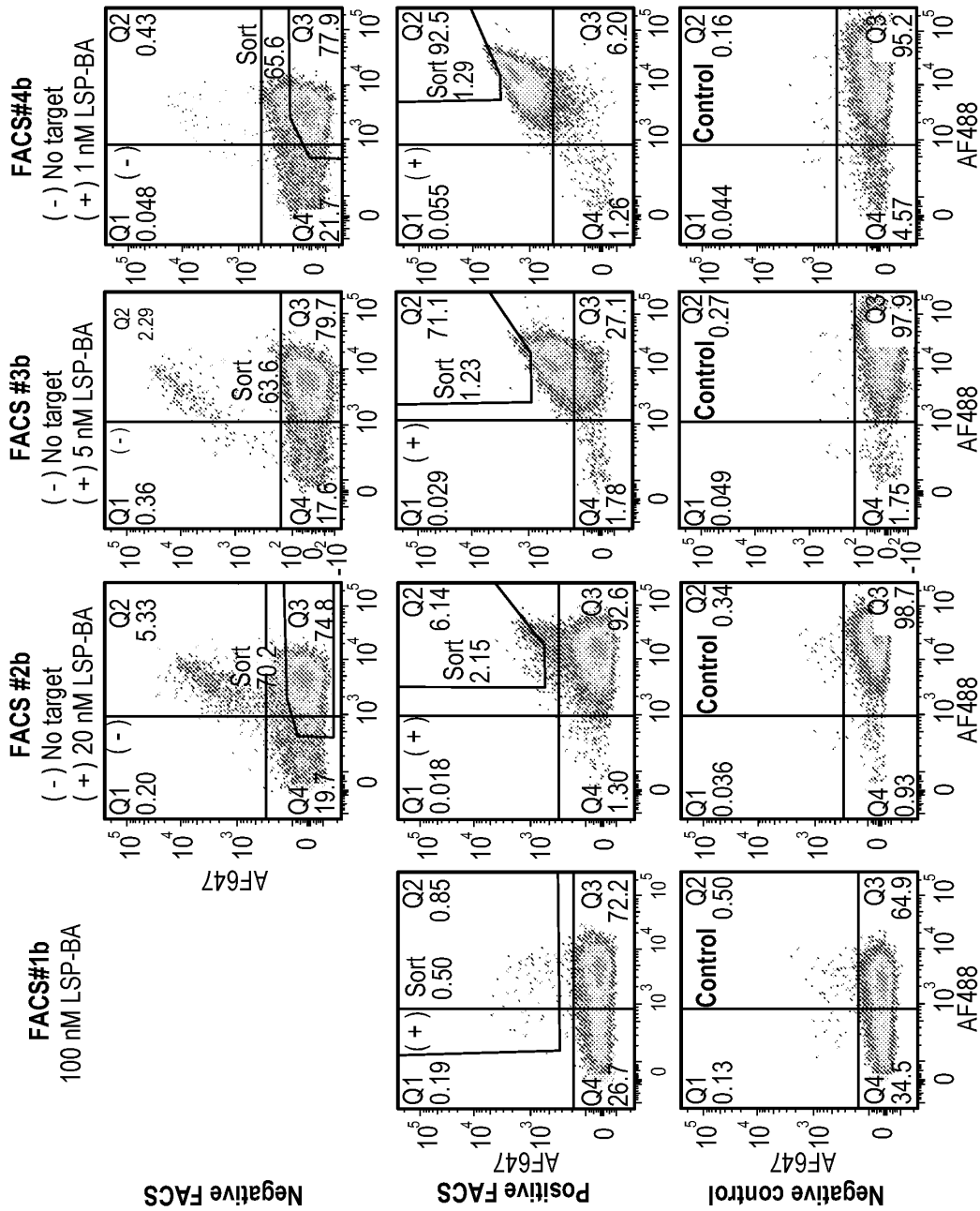


FIG. 10

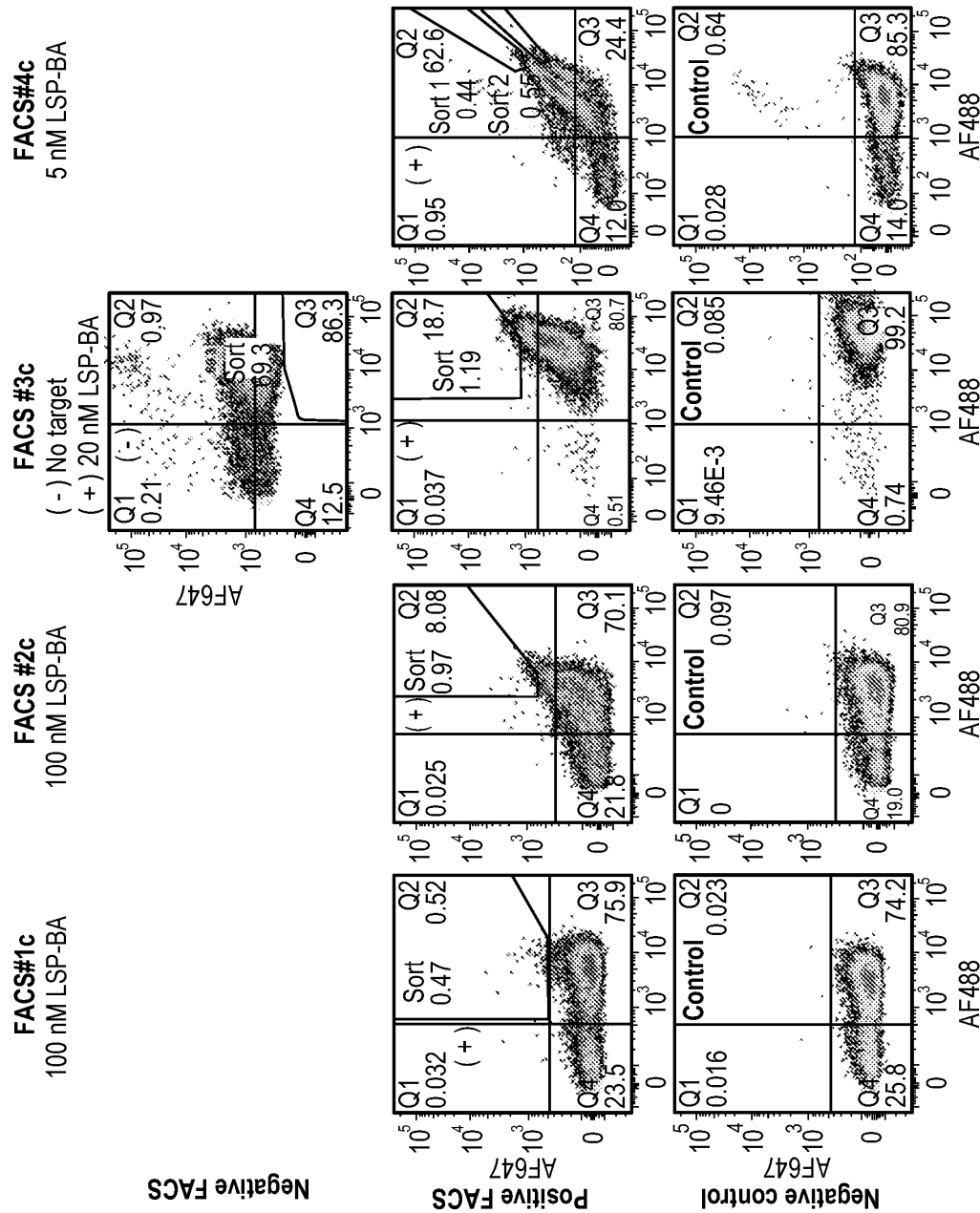


FIG. 11

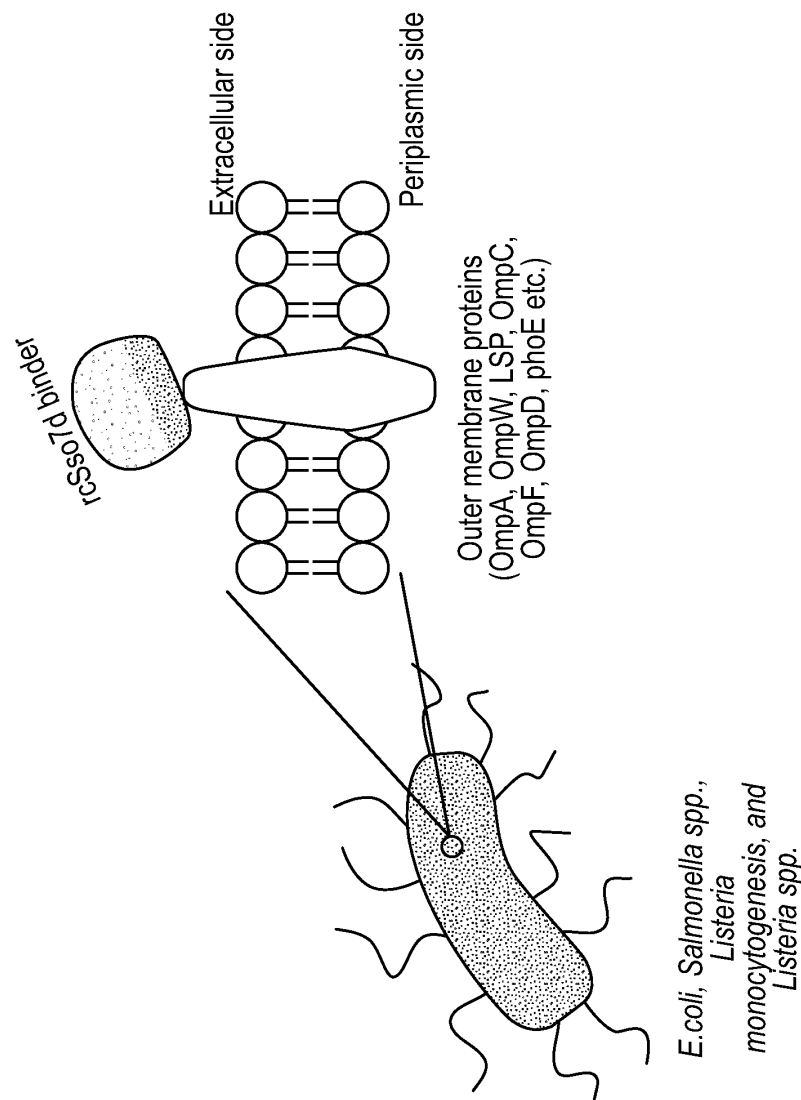
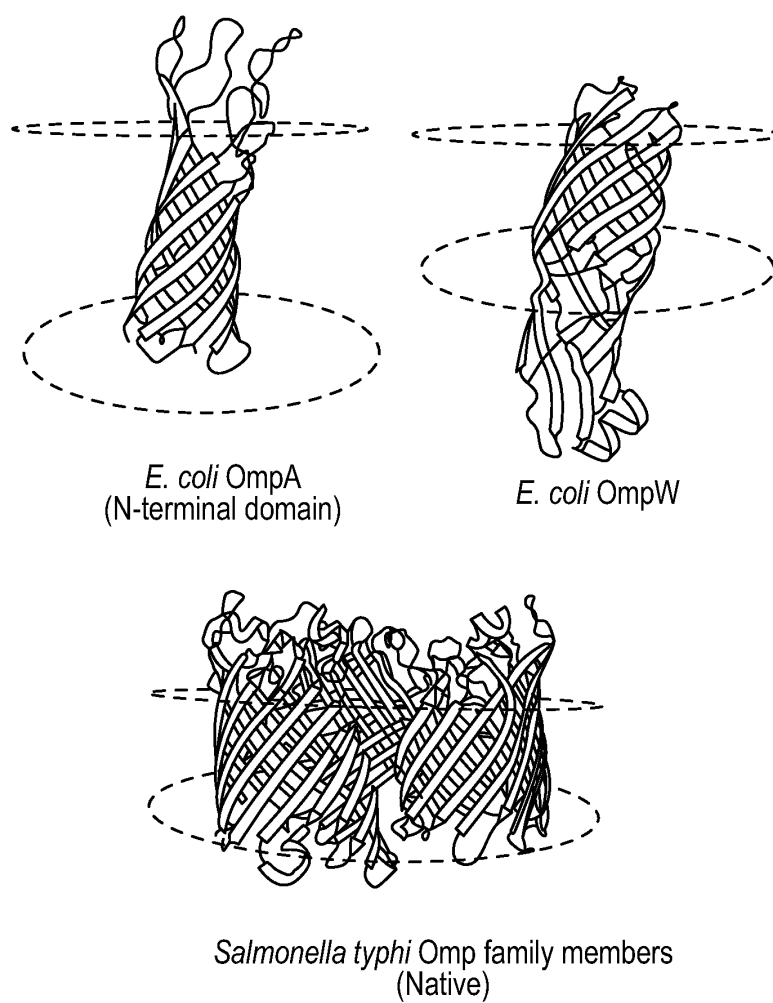


FIG. 12

FIG. 13

**FIG. 14A**

SUBSTITUTE SHEET (RULE 26)

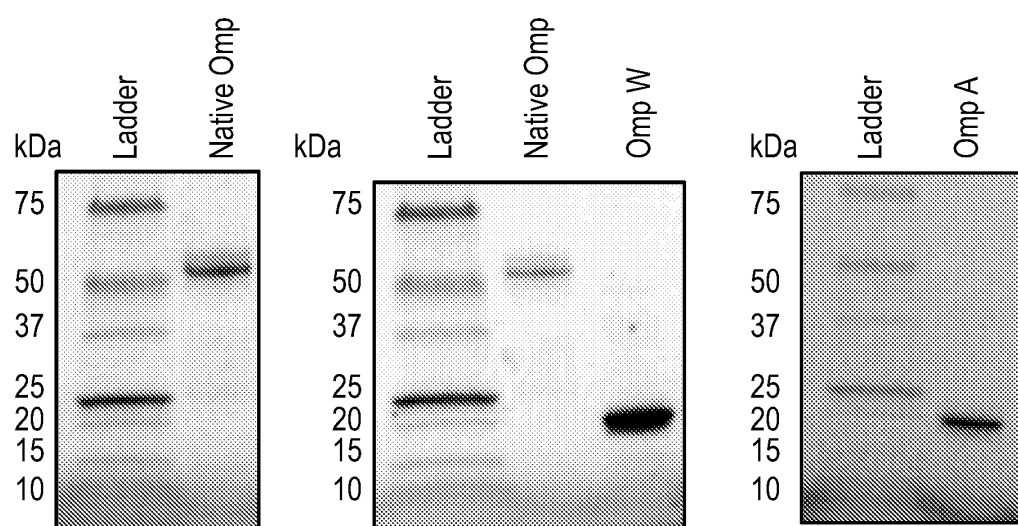


FIG. 14B

Magnetic bead sorts (MBS) to reduce library diversity
from 1.4×10^9 to the upper limit for FACS (1×10^7)

	Nat. Omp	OmpW	OmpA
MBS round 1	5.5×10^6	3.5×10^5	2.5×10^7
MBS round 2	-	-	1×10^7

FIG. 15

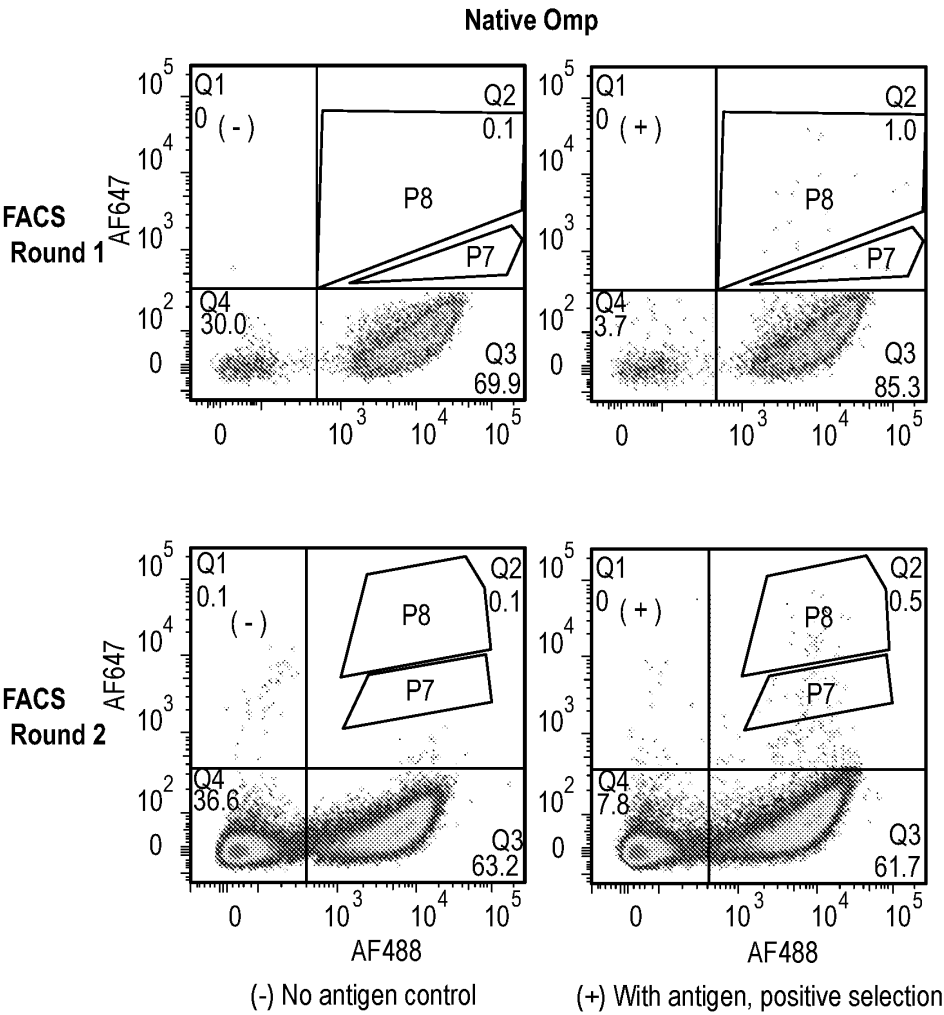


FIG. 16A

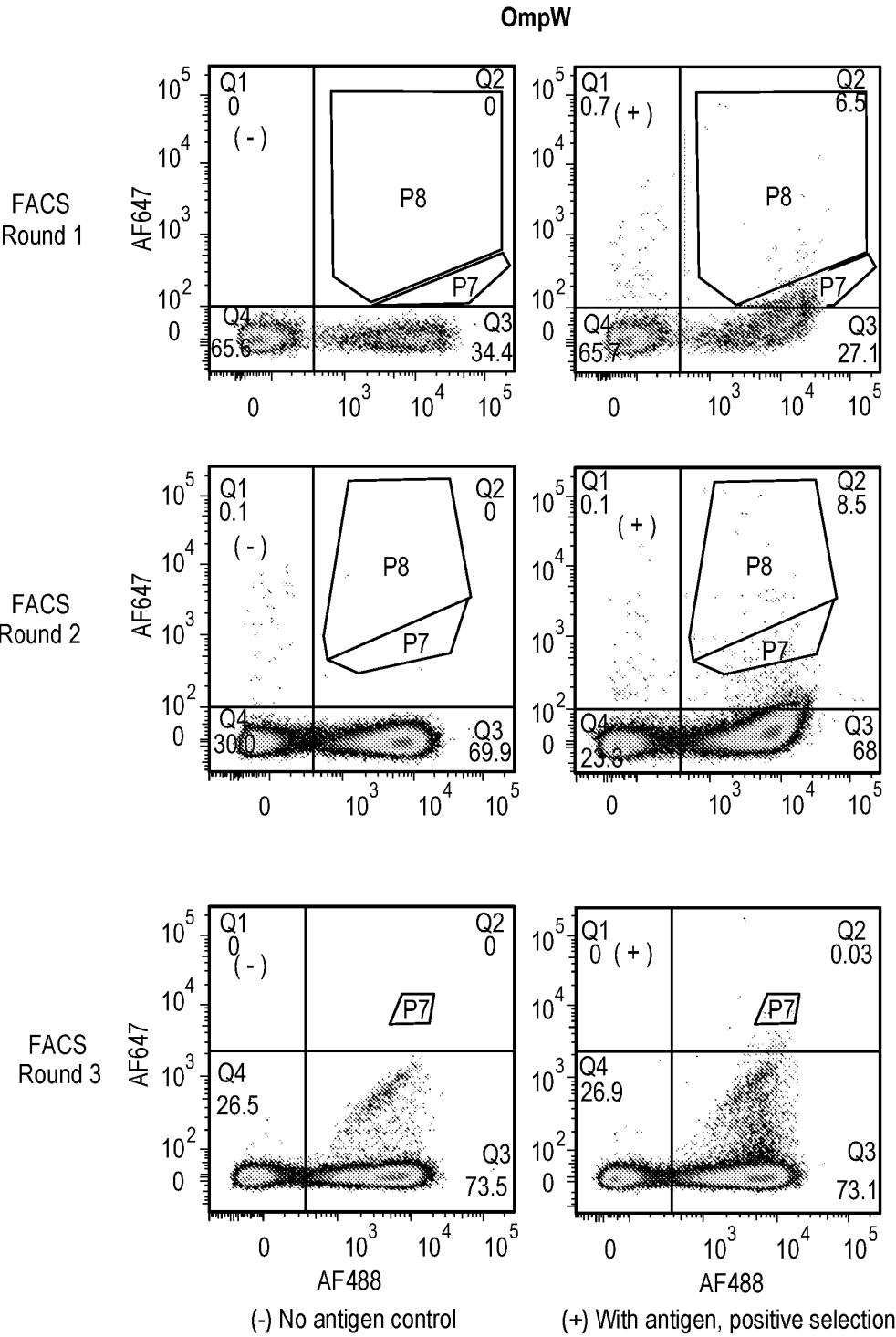


FIG. 16B

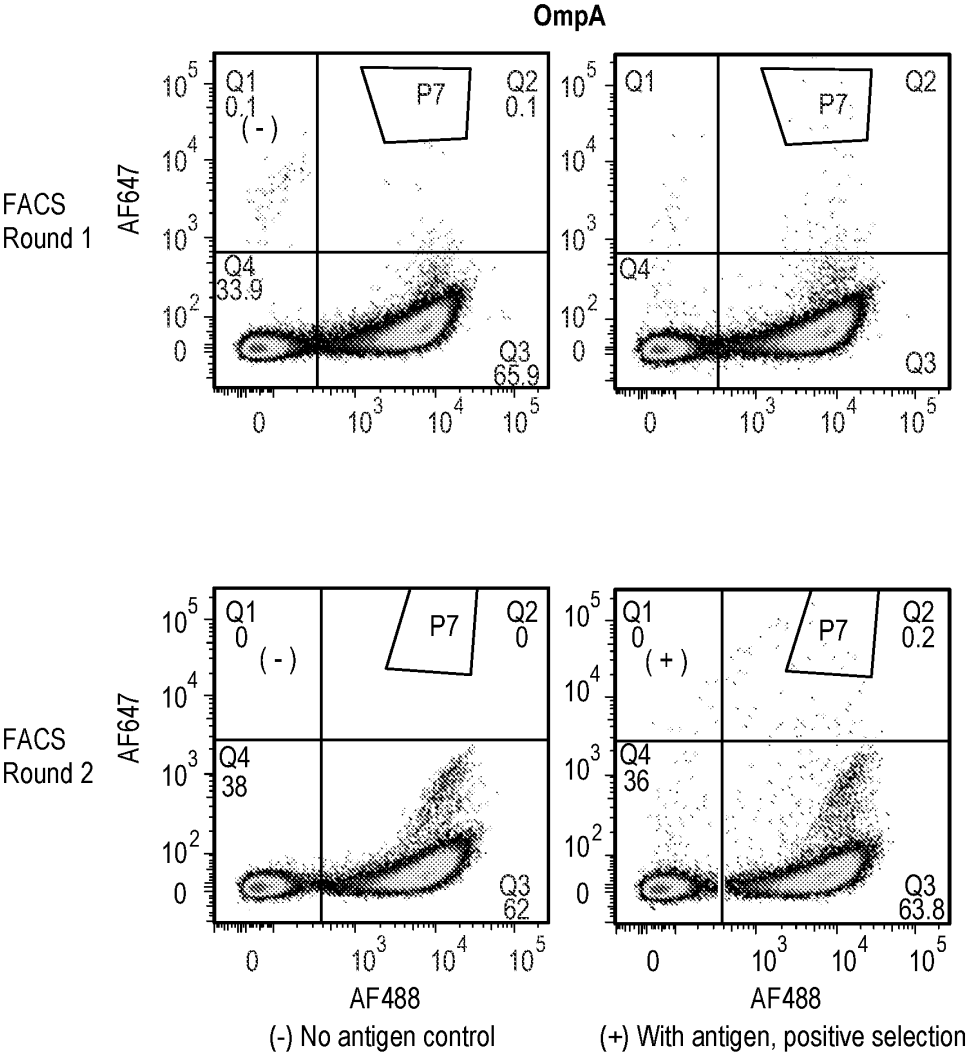


FIG. 16C

Nat.Omp.PF2.2 sequences

SEQ ID NO: 33	Nat.Omp_1:	MATVKFTYQG	EEKQVDISKI	KWVKRDGQSI	YFWYDEGGGA	IGAGHVSEKD	APKELLQMLE	KQ
SEQ ID NO: 34	Nat.Omp_2:	MATVKFTYQG	EEKQVDISKI	KSVSRRGQGI	AFSYDEGGGA	RGYGHVSEKD	APKELLQMLE	KQ
SEQ ID NO: 35	Nat.Omp_3:	MATVKFTYQG	EEKQVDISKI	KIVARAGQWI	WFWYDEGGGA	HGRGGVSEKD	APKELLQMLE	KQ
SEQ ID NO: 36	Nat.Omp_4:	MATVKFTYQG	EEKQVDISKI	KGVWRWGQWI	WFWYDEGGGA	AGRGVSEKD	APKELLQMLE	KQ
SEQ ID NO: 37	Nat.Omp_5:	MATVKFTYQG	EEKQVDISKI	KWVIRHGQGI	YFSYDEGGGA	IGGGSVSEKD	APKELLQMLE	KQ
SEQ ID NO: 38	Nat.Omp_6:	MATVKFTYQG	EEKQVDISKI	KWVHRHGQWI	GFDYDEGGGA	IGDGSVSEKD	APKELLQMLE	KQ
SEQ ID NO: 39	Nat.Omp_7:	MATVKFTYQG	EEKQVDISKI	KWVIRSGQRI	NFAYDEGGGA	GGYGGVSEKD	APKELLQMLE	KQ
SEQ ID NO: 40	Nat.Omp_8:	MATVKFTYQG	EEKQVDISKI	KYVSRGGQDI	SFRYDEGGGA	IGIGVSEKD	APKELLQMLE	KQ
SEQ ID NO: 41	Nat.Omp_9:	MATVKFTYQG	EEKQVDISKI	KHVNRHGQNI	DFRYDEGGGA	NGRGIVSKKD	APKELLQMLE	KQ
SEQ ID NO: 42	Nat.Omp_10:	MATVKFTYQG	EEKQVDISKI	KGVYRAGQHI	KFRYDEGGGA	GHHGGVSEKD	APKELLQMLE	KQ
SEQ ID NO: 43	Nat.Omp_11:	MATVKFTYQG	EEKQVDISKI	KAVYRNGQKI	IFIYDEGGGA	YGHGHVSEKD	APKELLQMLE	KQ
SEQ ID NO: 44	Nat.Omp_12:	MATVKFTYQG	EEKQVDISKI	KHVYRAGQYI	KFGYDEGGGA	AGGGHVSEKD	APKELLQMLE	KQ
SEQ ID NO: 45	Nat.Omp_13:	MATVKFTYQG	EEKQVDISKI	KNVYRHGQYI	KFRYDEGGGA	SGYGSVSEKD	APKELLQMLE	KQ
SEQ ID NO: 46	Nat.Omp_14:	MATVKFTYQG	EEKQVDISKI	KYVIRWGQHI	WFWYDEGGGA	WGSNVSEKD	APKELLQMLE	KQ

FIG. 17

SEQ ID NO: 47	OmpW.PF2-1:	MATVKEFTYQG	EEKQVDISKI	KWVSRWGQYI	YFSYDEGGGA	IGGGGVSEKD	APKELLQMLE	KQ
SEQ ID NO: 48	OmpW.PF2-2:	MATVKEFTYQG	EE?QVDISKI	KIVHRAQOWI	GF?YDEGGGA	WGSGLVSEKD	APKELLQMLE	KQ
SEQ ID NO: 49	OmpW.PF2-4:	MATVKEFTYQG	EEKQVDISKI	KHVSRRGGQWI	DFAYDEGGGA	HGDGAVSEKD	APKELLQMLE	KQ
SEQ ID NO: 50	OmpW.PF2-6:	MATVKEFTYQG	EEKQVDISKI	KWVSRWGQYI	YFSYDEGGGA	SGGGSVSEKD	APKELLQMLE	KQ
SEQ ID NO: 51	OmpW.PF3-1:	MATVKEFTYQG	EEKQVDISKI	KWVWRWGQWI	KFTYDEGGGA	AGWGLVSEKD	APKELLQMLE	KQ
SEQ ID NO: 52	OmpW.PF3-2:	MATVKEFTYQG	EEKQVDISKI	KYVKRWGQYI	WFYDEGGGA	AGYGNVSEKD	APKELLQMLE	KQ
SEQ ID NO: 53	OmpW.PF3-3:	MATVKEFTYQG	EEKQVDISKI	KWVWRWGQYI	RFYDEGGGA	WGWGLVSEKD	APKELLQMLE	KQ
SEQ ID NO: 54	OmpW.PF3-7:	MATVKEFTYQG	EEKQADISKI	KIVWRWGQAI	RFWYDEGGGA	GGRGYVSEKD	APKELLQMLE	KQ

FIG. 18

SEQ ID NO: 55	OmpA.PF2-2	MATVKEFTYQG	EEKQVDISKI	KRVWRWGQGI	YFWYDEGGGA	DGNWVSEKD	APKELLQMLEKQ
SEQ ID NO: 56	OmpA.PF2-3	MATVKEFTYQG	EEKQVDISKI	KRVHRYGQWI	WFRYDEGGGA	RGHGHVSEKD	APKELLQMLEKQ
SEQ ID NO: 57	OmpA.PF2-1	MATVKEFTYQG	EEKQVDISKI	KHVHRWGQWI	WEWL		

FIG. 19