

FIG. 1

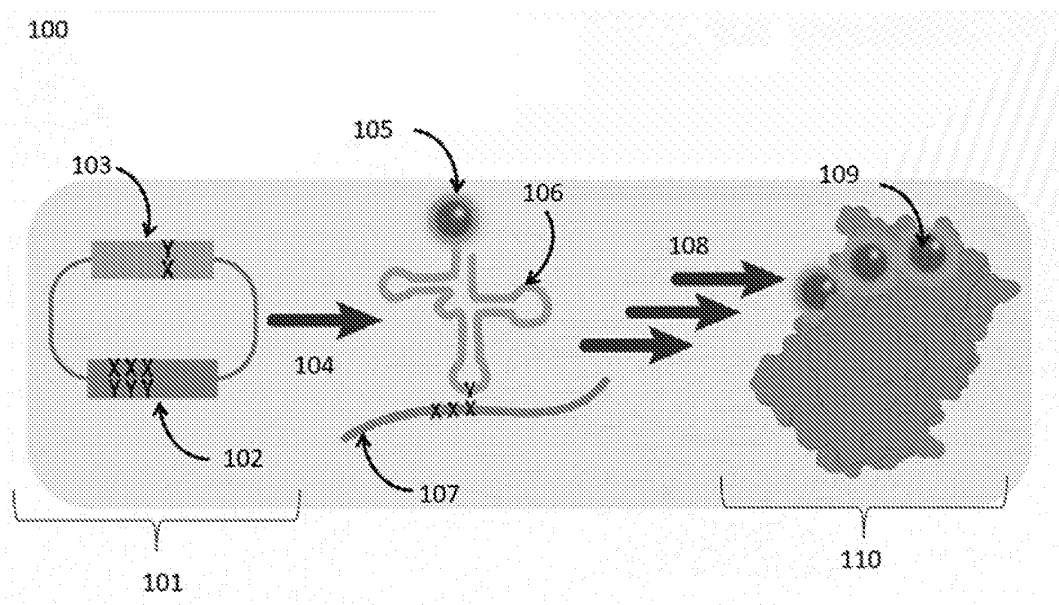


FIG. 2

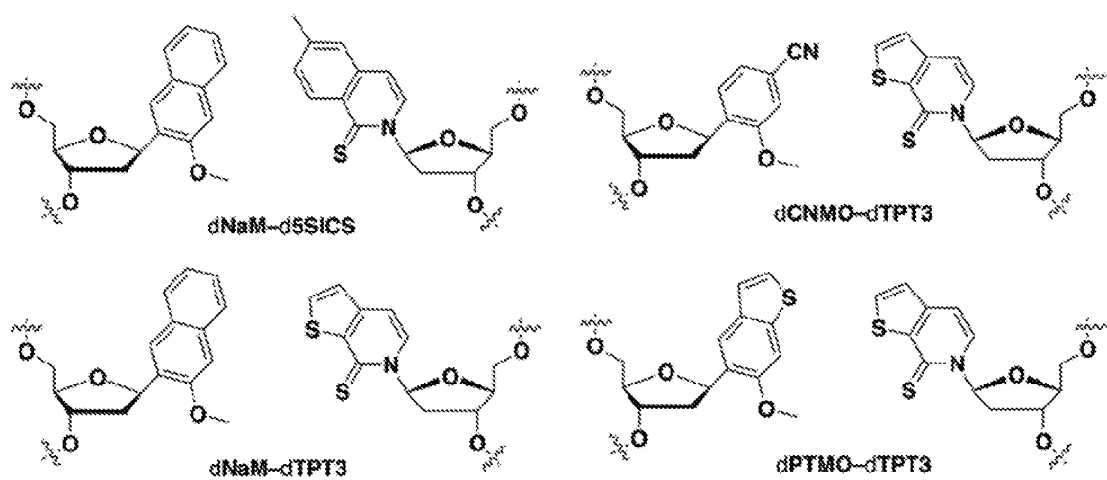


FIG. 3

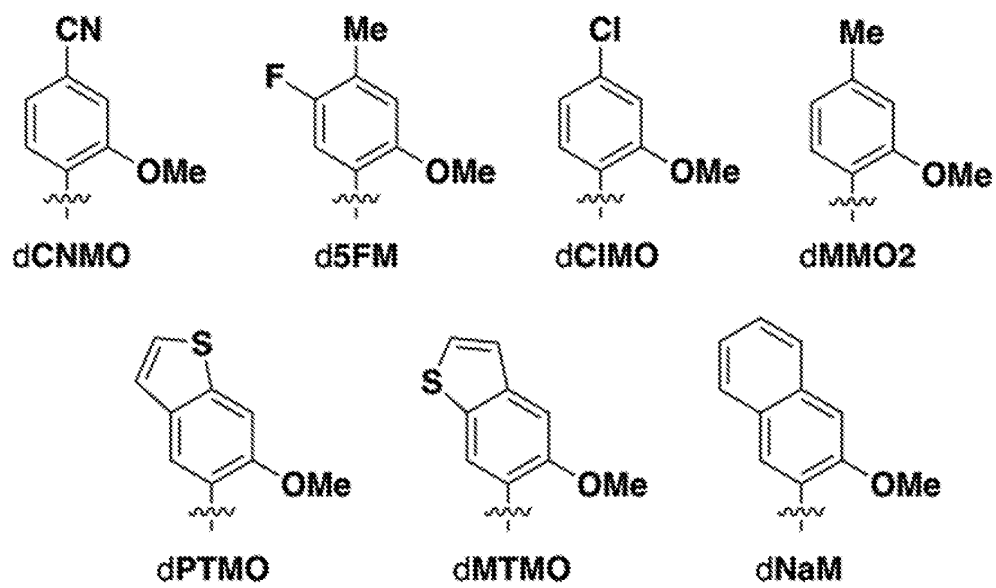


FIG. 4A

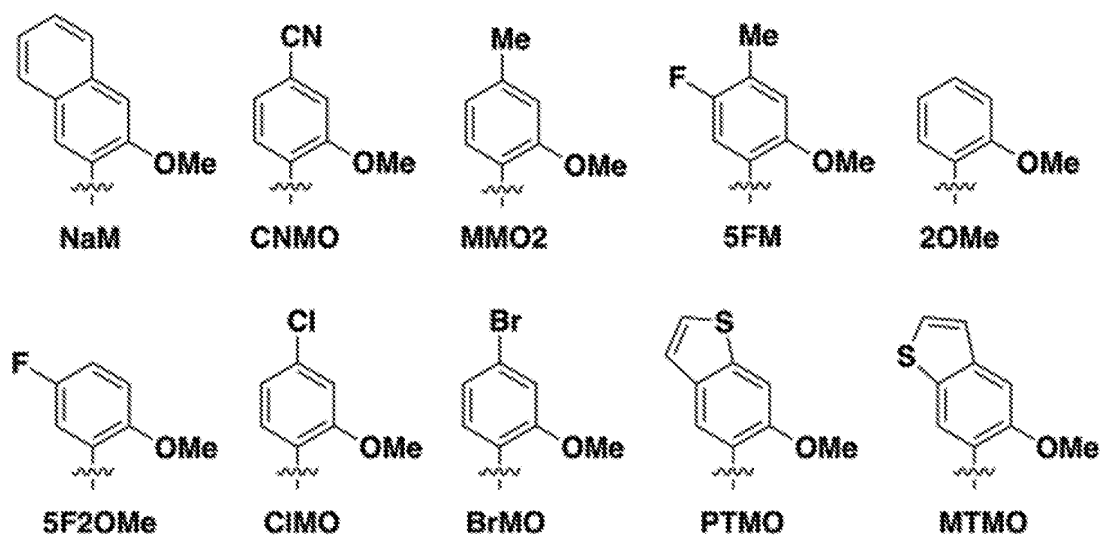


FIG. 4B

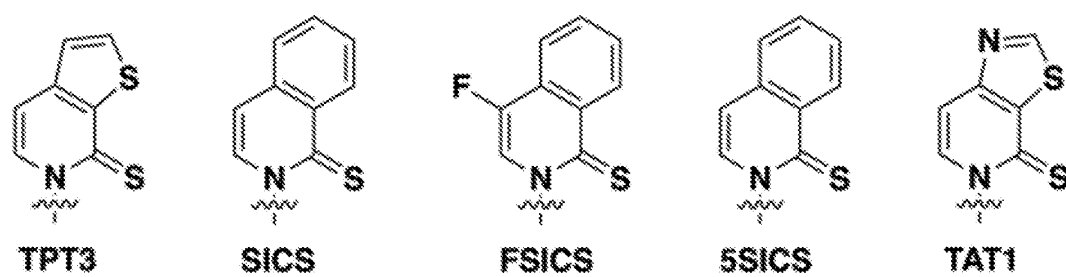
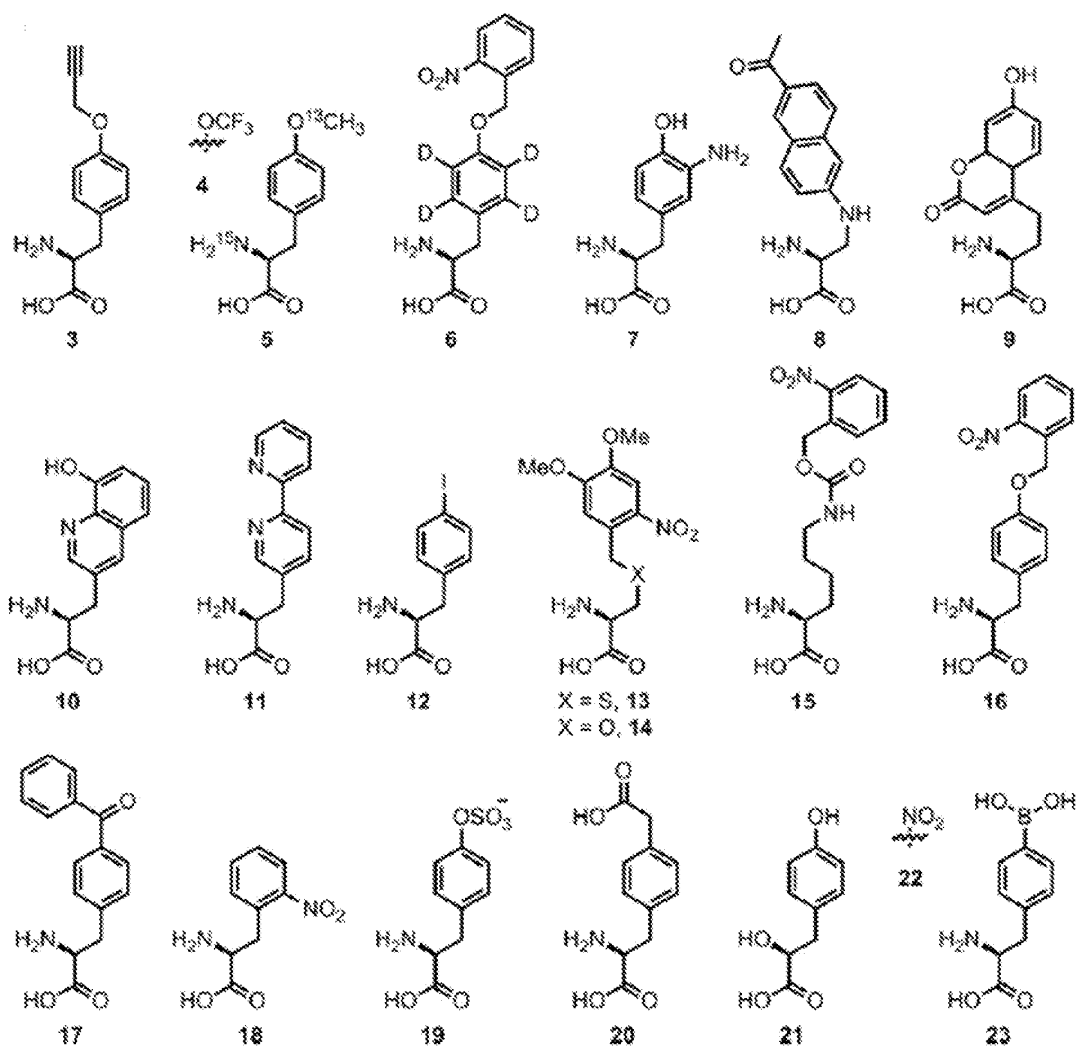


FIG. 5A



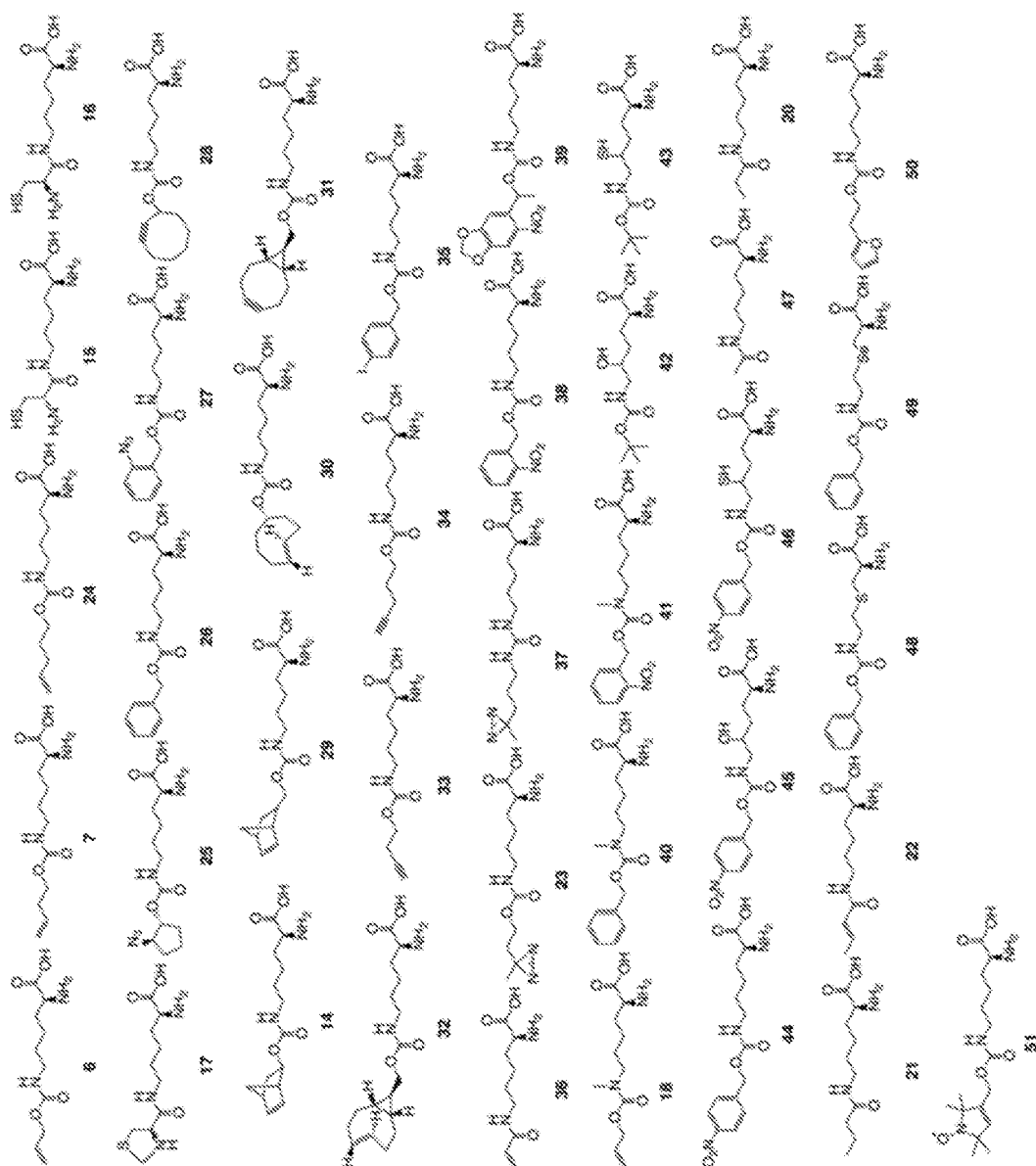


FIG. 5B

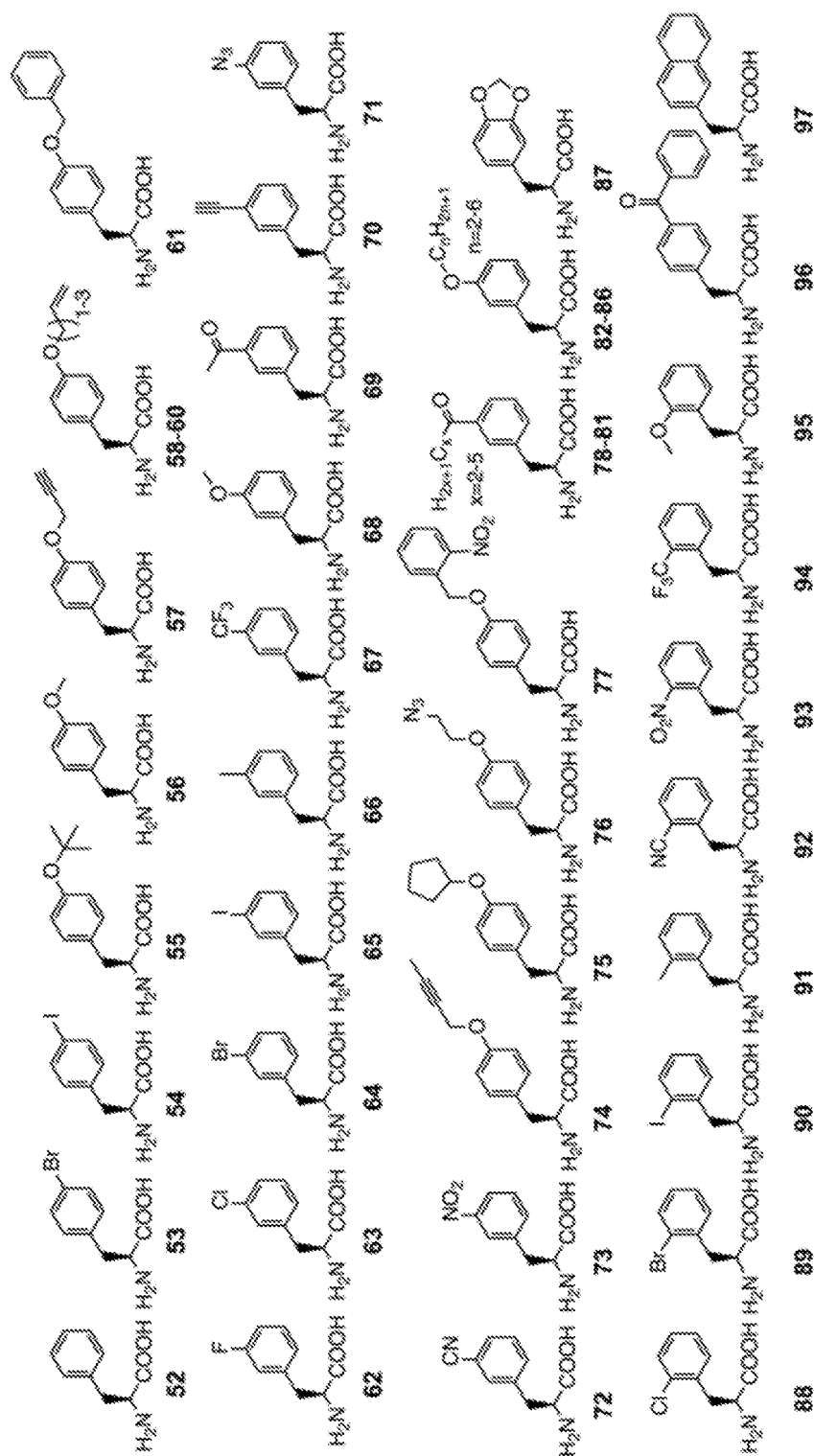


FIG. 5C

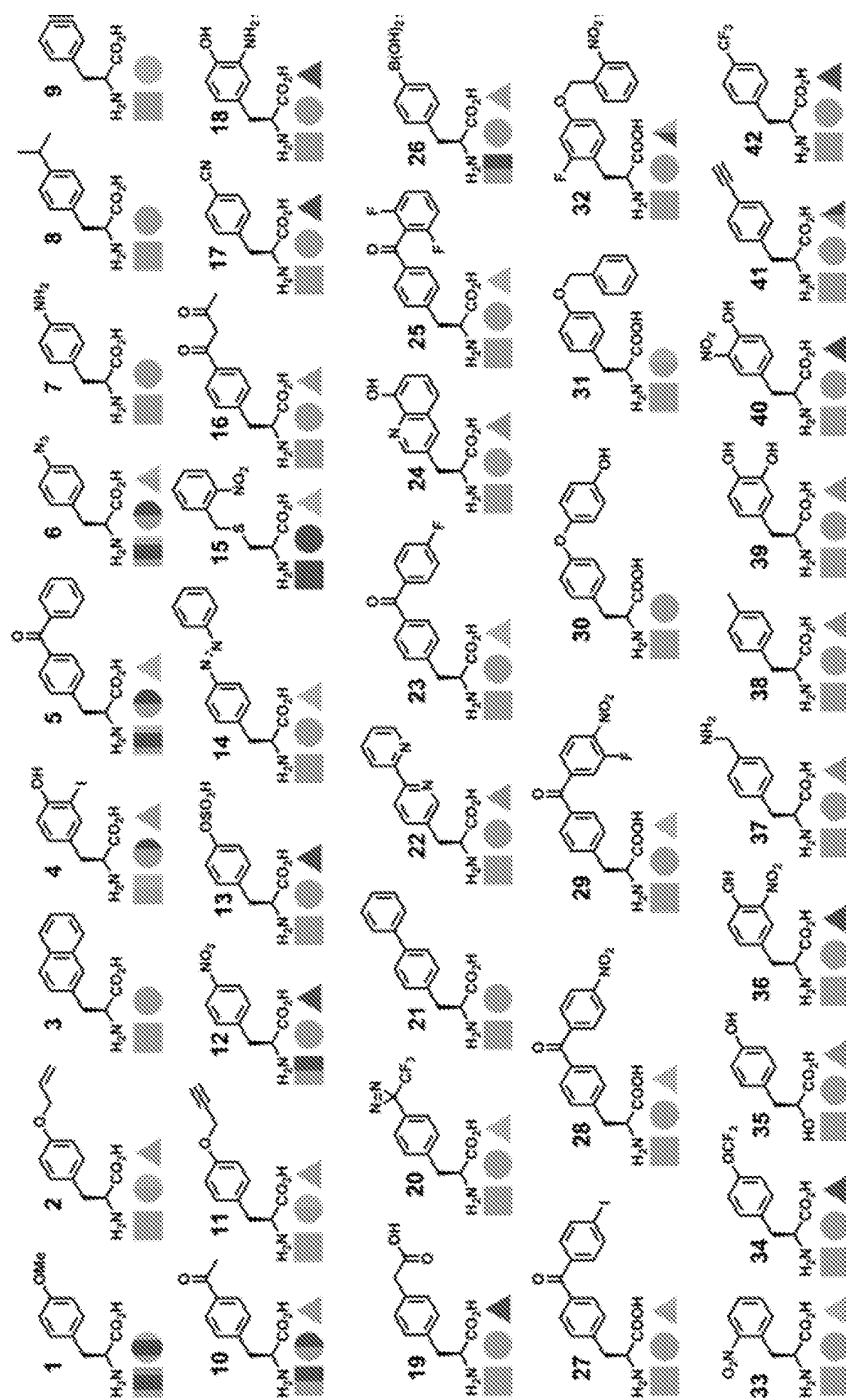


FIG. 5D

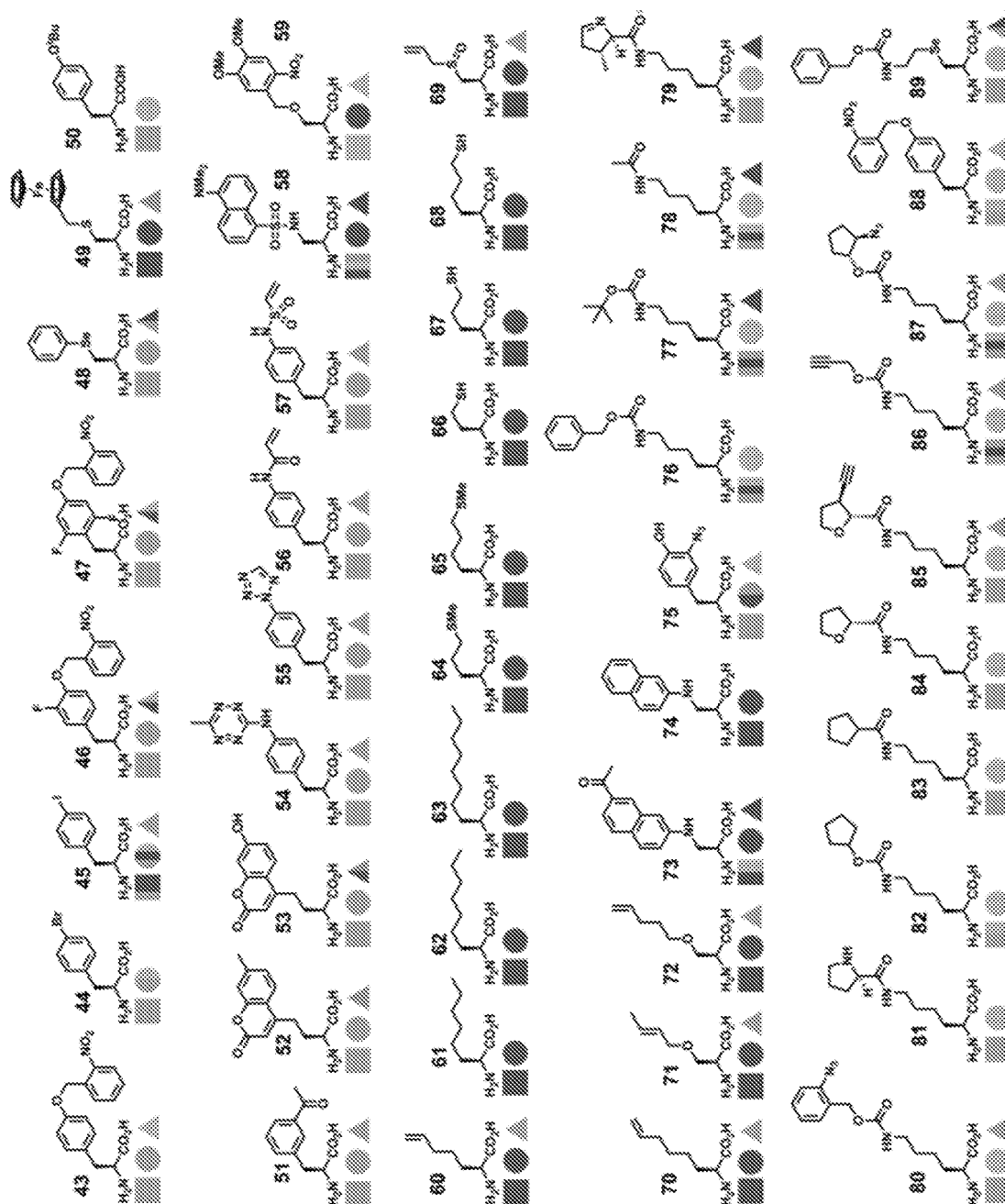


FIG. 5E

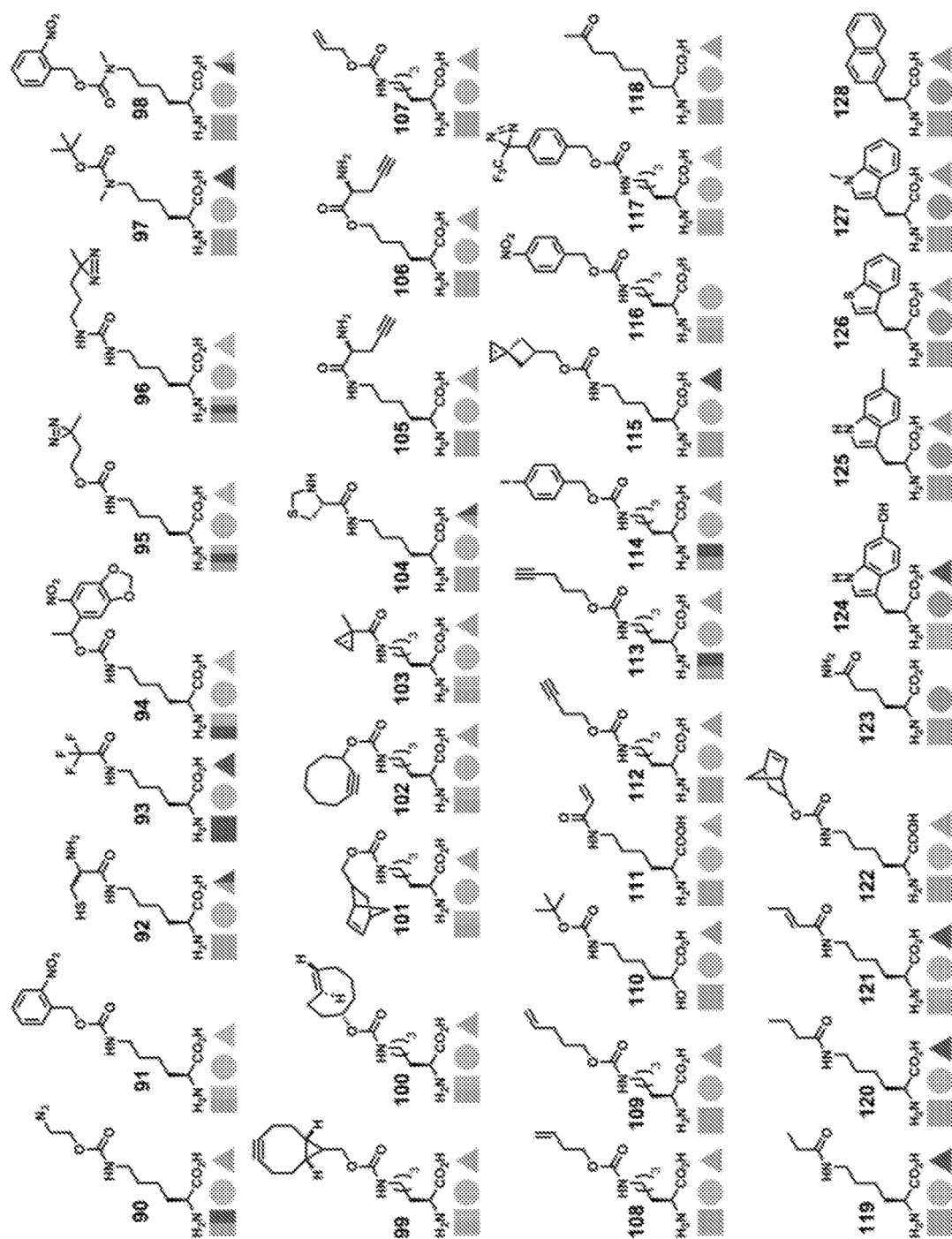


FIG. 5F

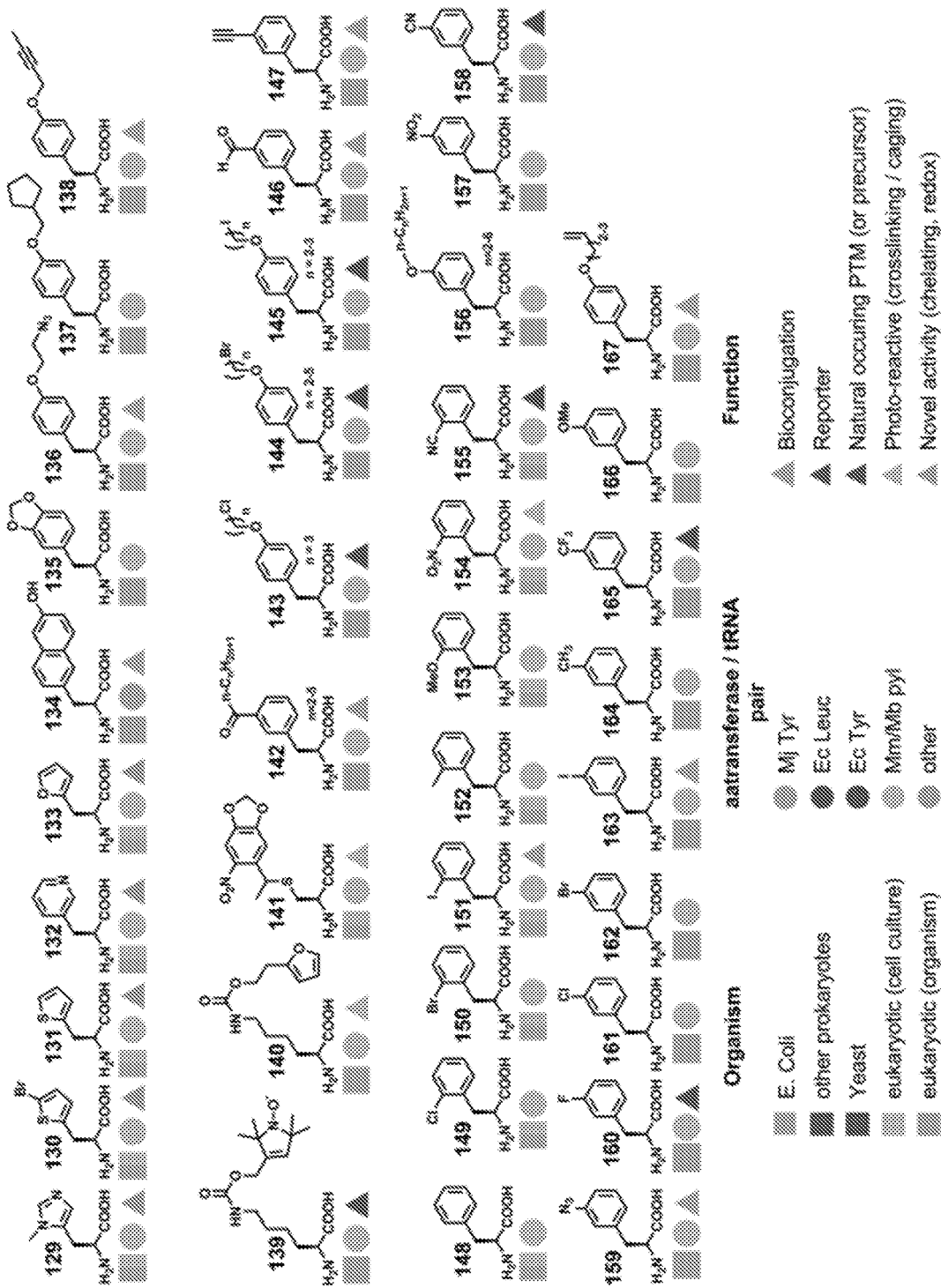


FIG. 5G

FIG. 6A

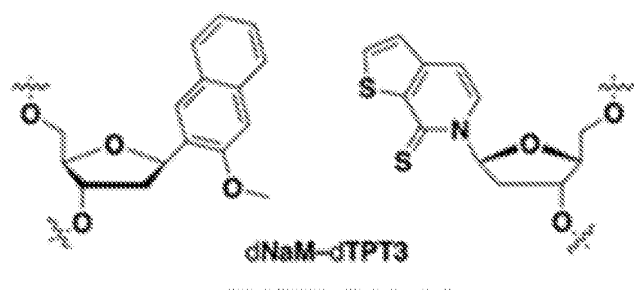


FIG. 6B

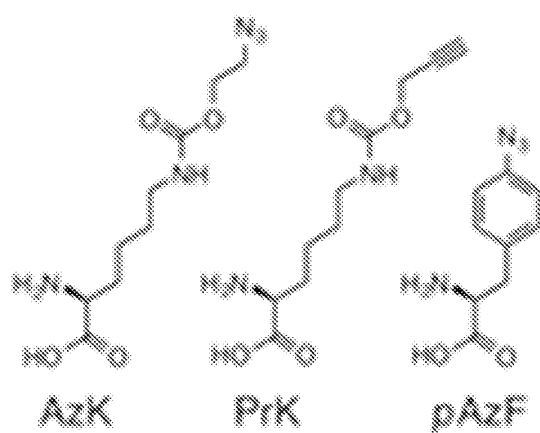


FIG. 6C

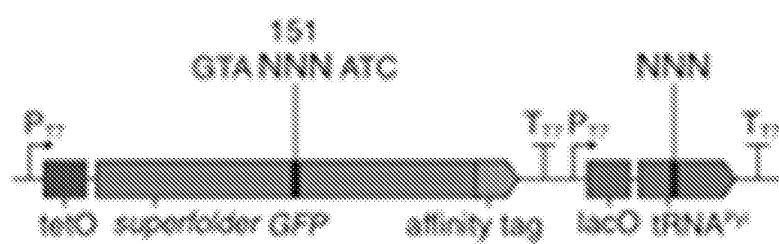


FIG. 7A

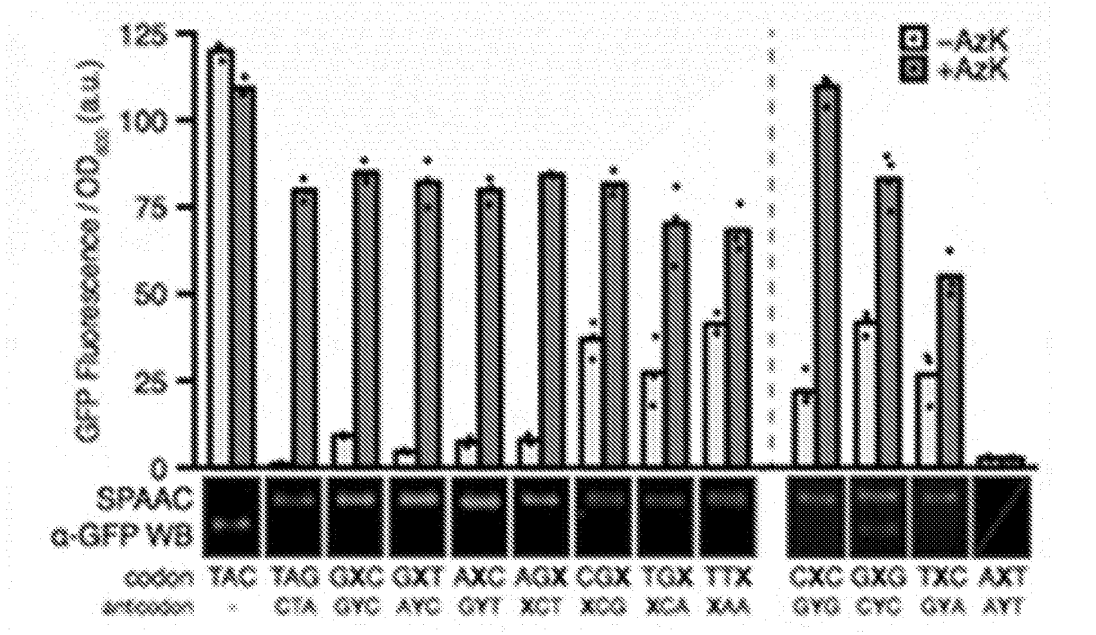


FIG. 7B

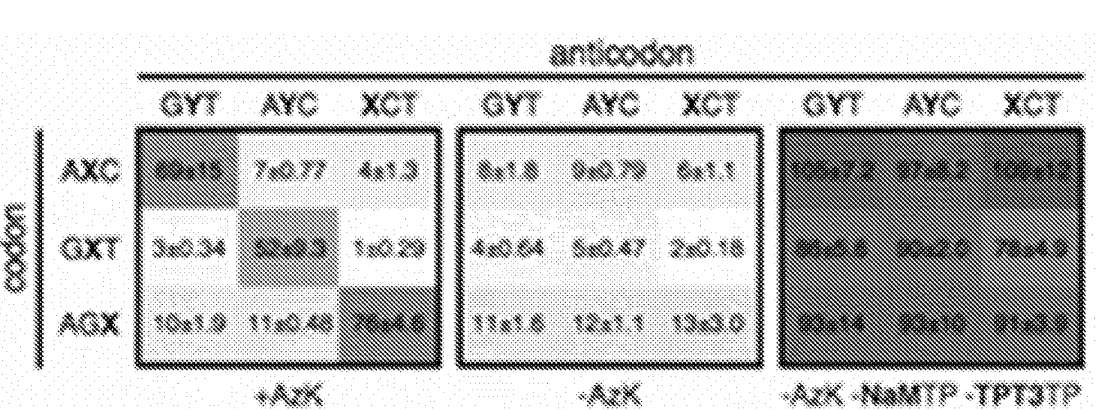


FIG. 8A

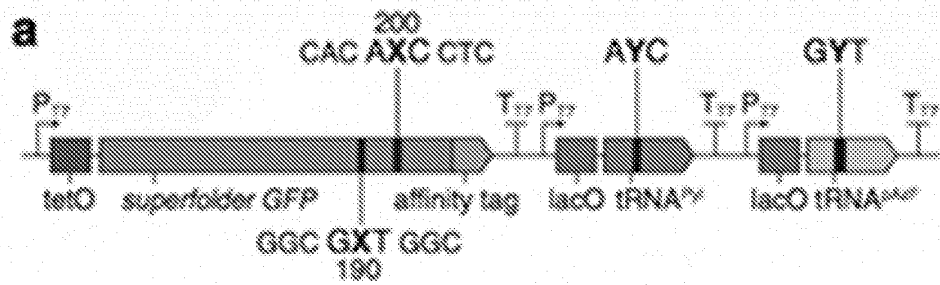


FIG. 8B

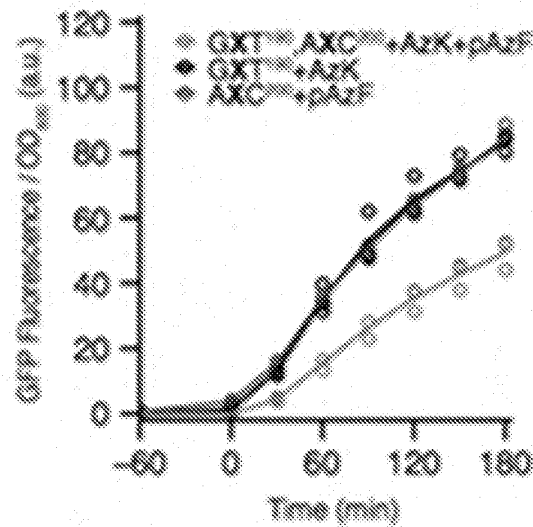


FIG. 8C

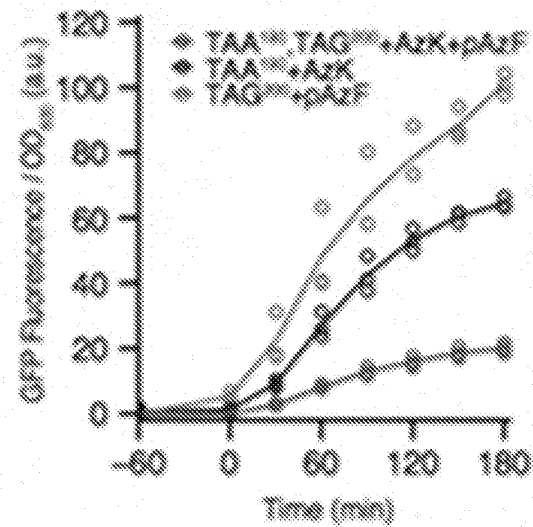


FIG. 8D

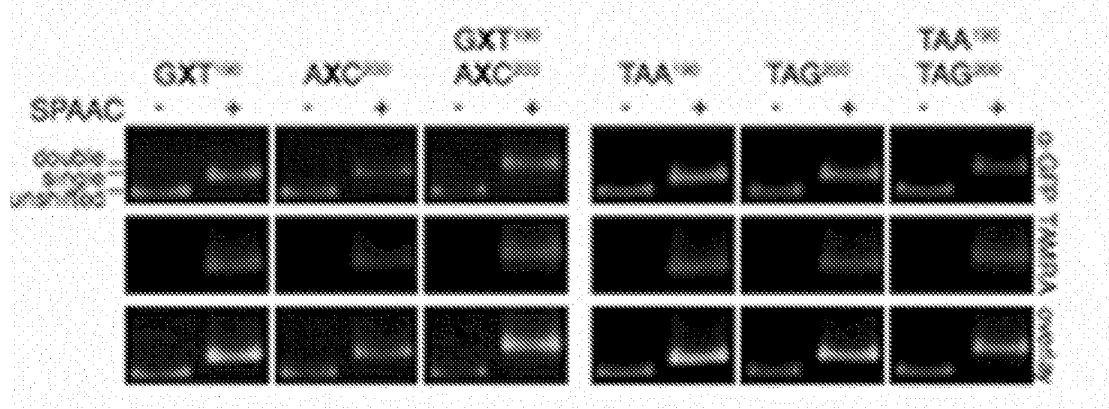


FIG. 8E

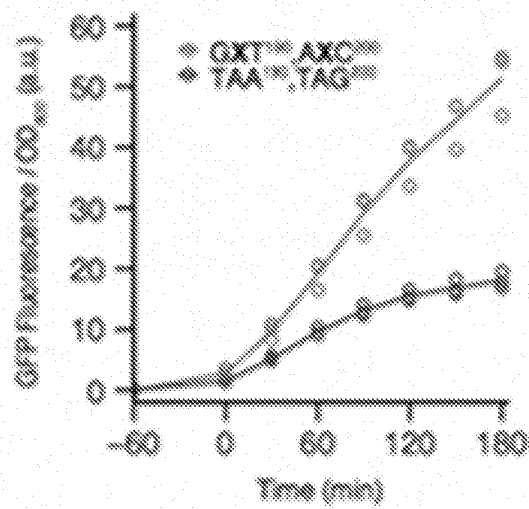


FIG. 8F

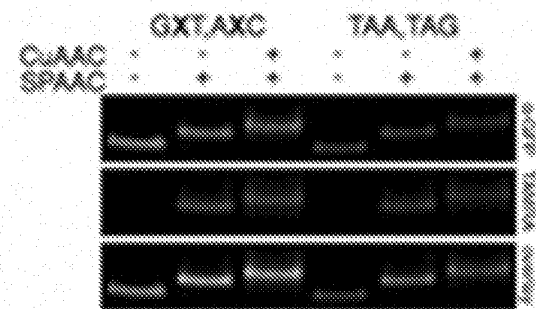


FIG. 9A

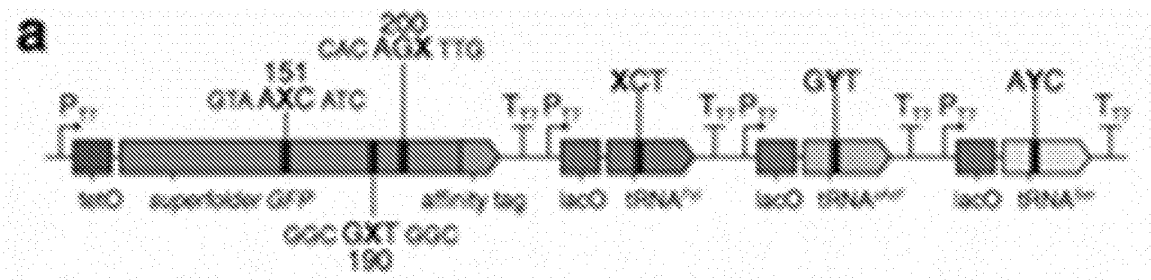


FIG. 9B

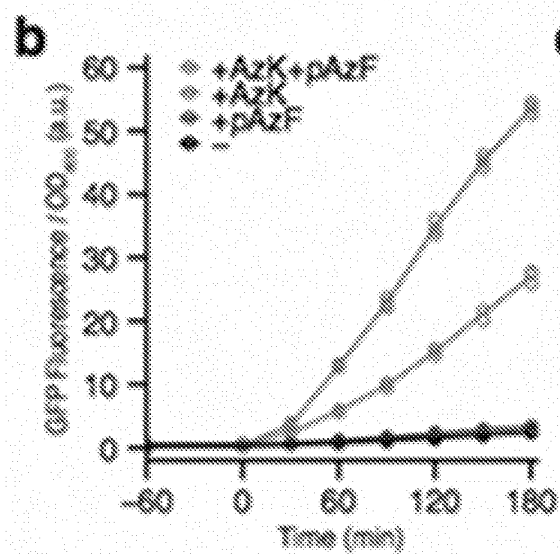


FIG. 9C

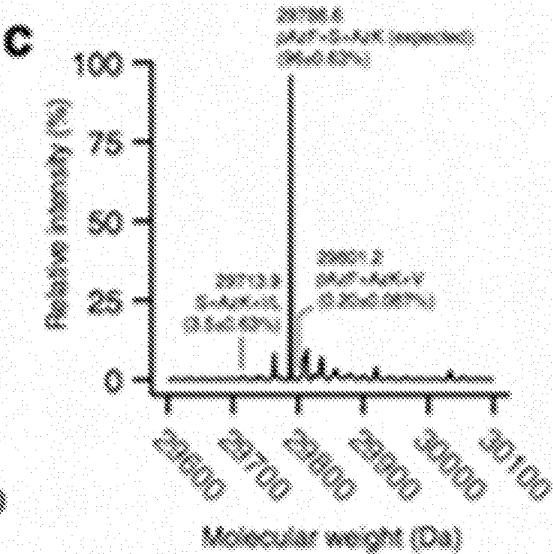


FIG. 10

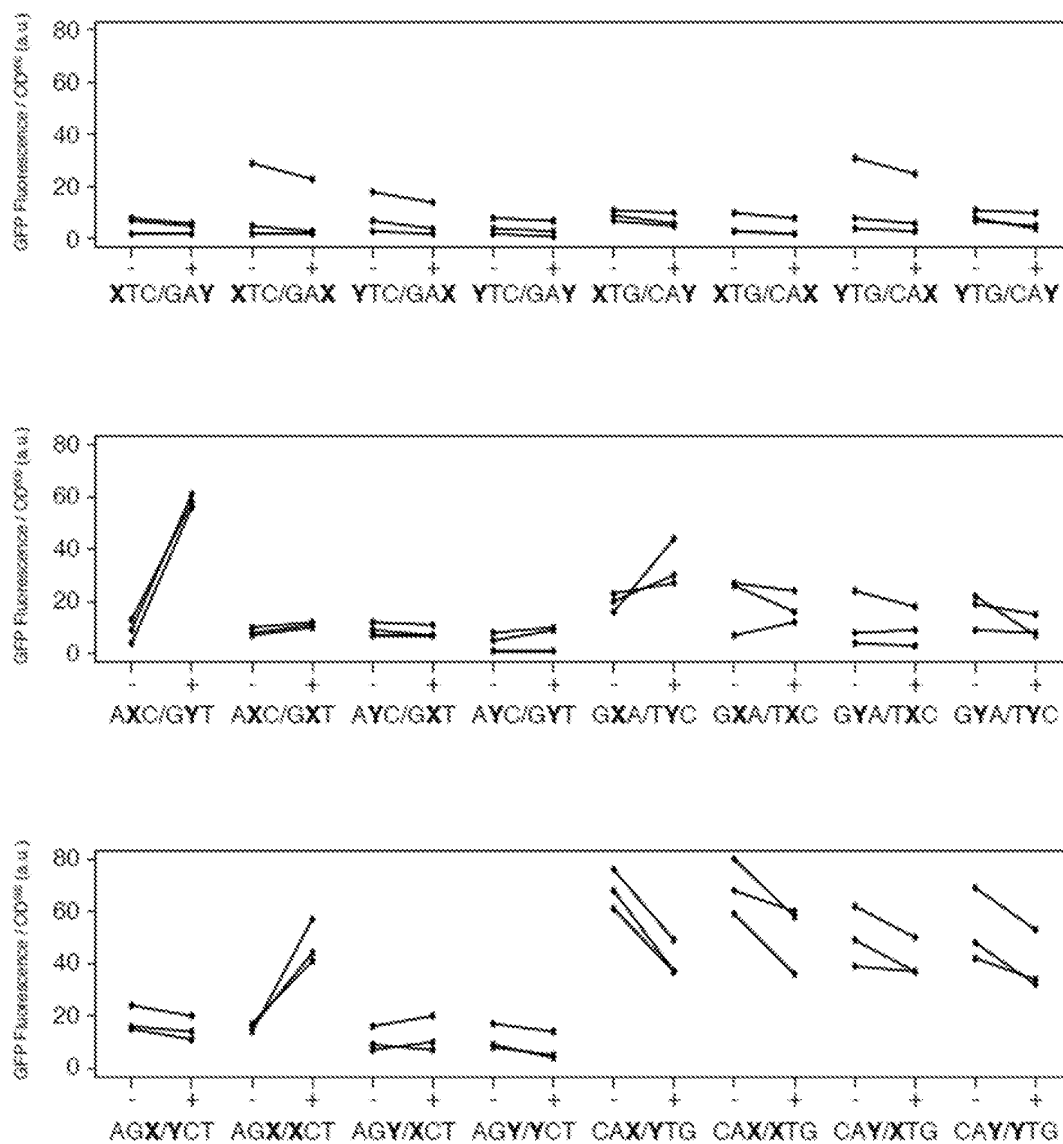


FIG. 11A

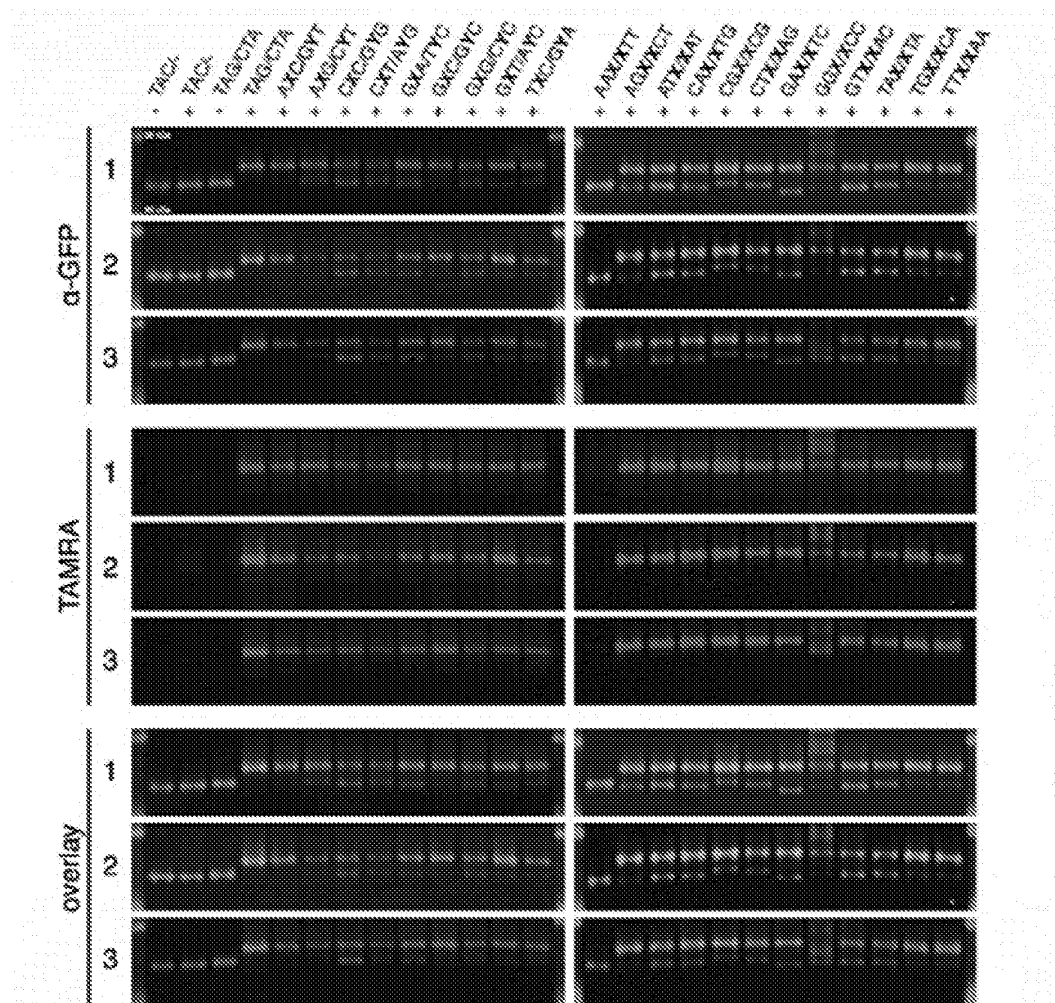


FIG. 11B

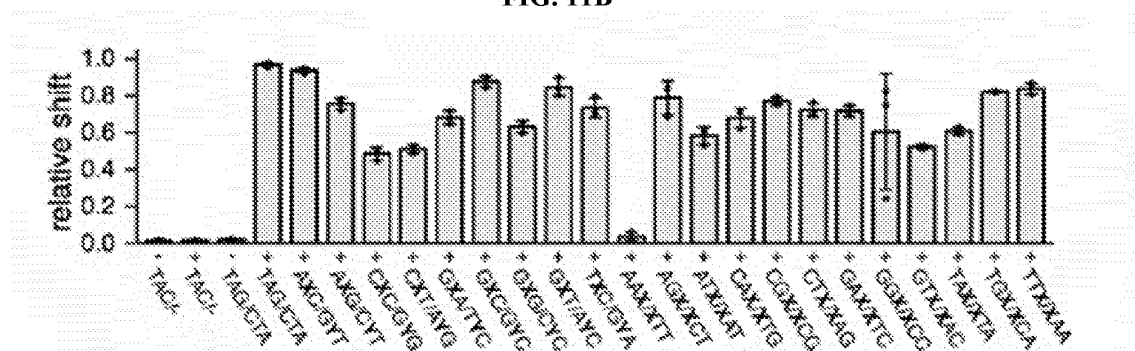


FIG. 12A

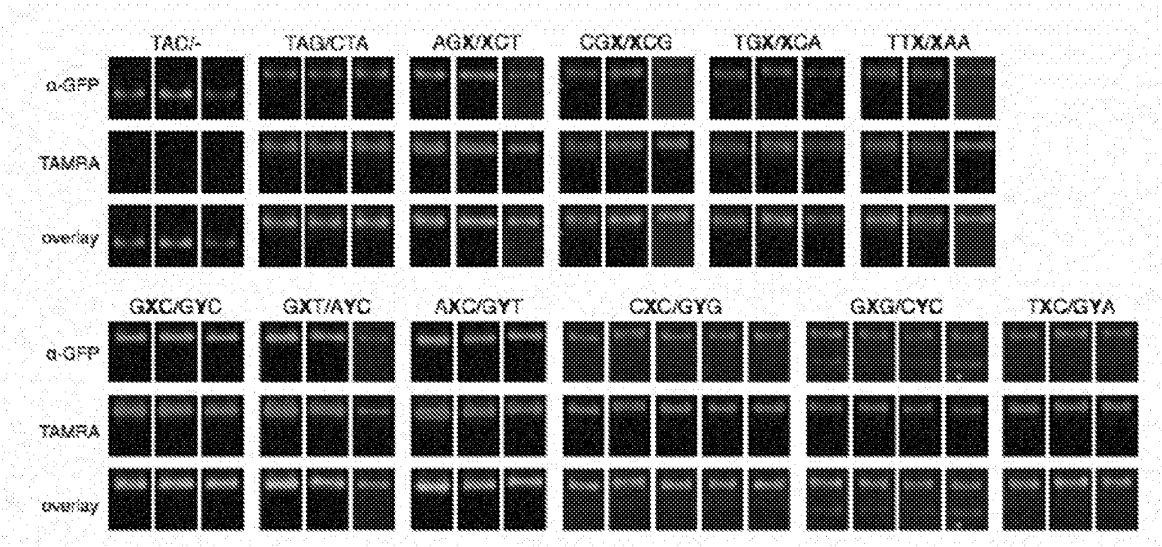


FIG. 12B

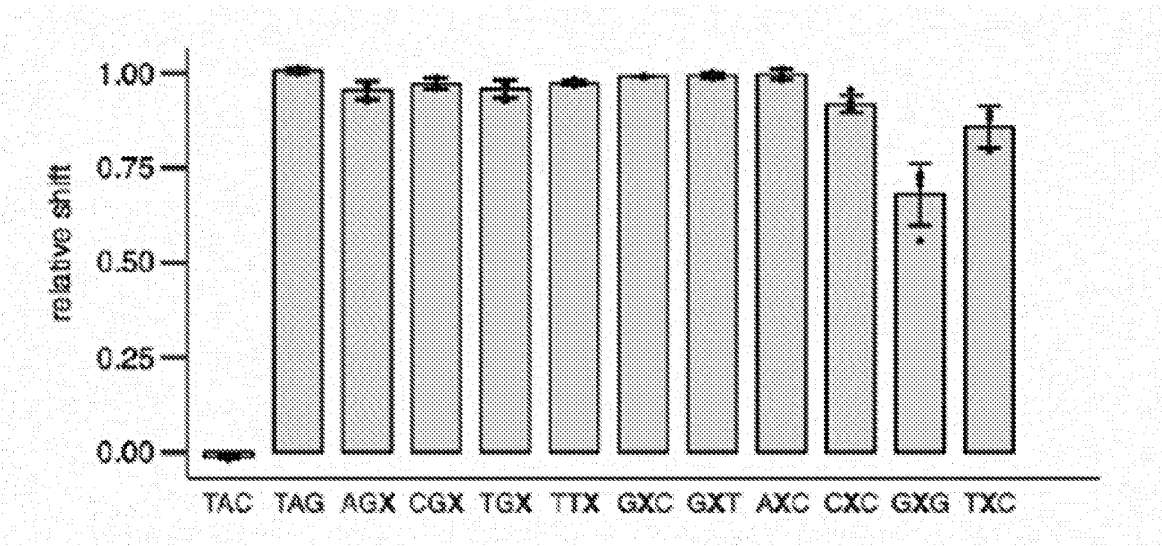


FIG. 13

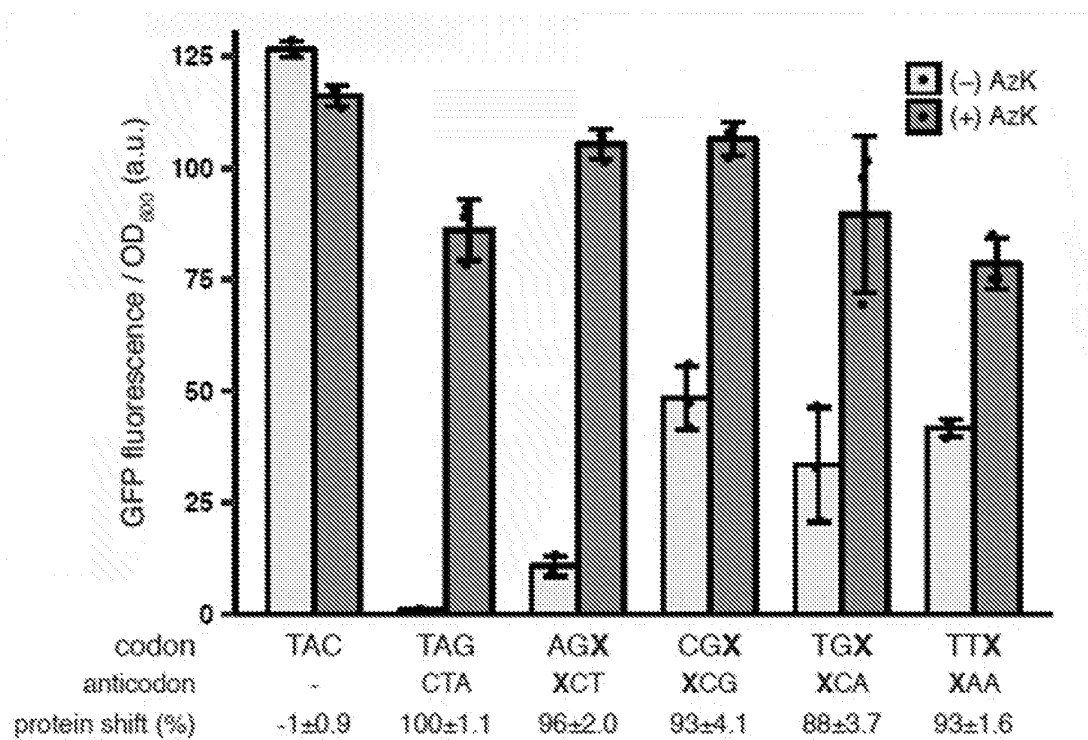


FIG. 14

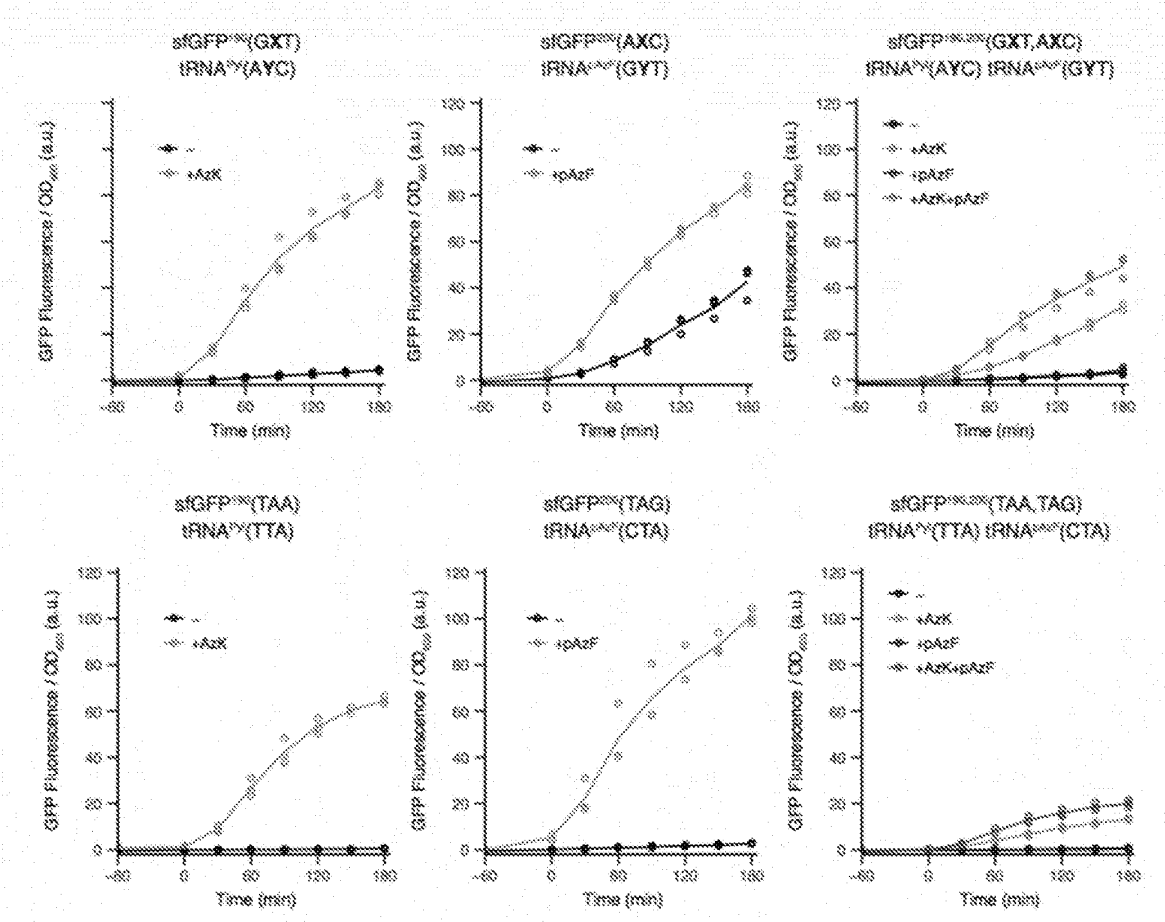


FIG. 15A

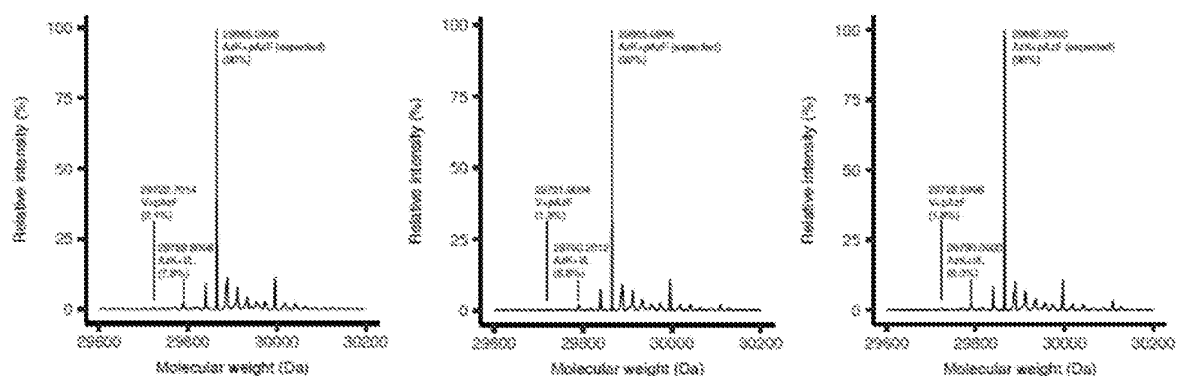


FIG. 15B

MW (Da)	ΔMW (rel. to reference; Da)	Assignment	Interpretation
29865.1	0.0	D190AzK Y200pAzF	expected product
29722.4	-142.7	D190V Y200pAzF	GXT→GTT
29790.0	-75.1	D190AzK Y200I/L	AXC→ATC
29839.4	-25.7	Oxidation of arginine	technical
29888.6	23.5	Na adduct	technical
29911.7	46.6	2xNa adduct	technical
29933.5	68.4	3xNa adduct	technical
29985.9	120.8	+Met	unprocessed N-terminal
30108.7	243.6	+Biotin	technical

FIG. 16A

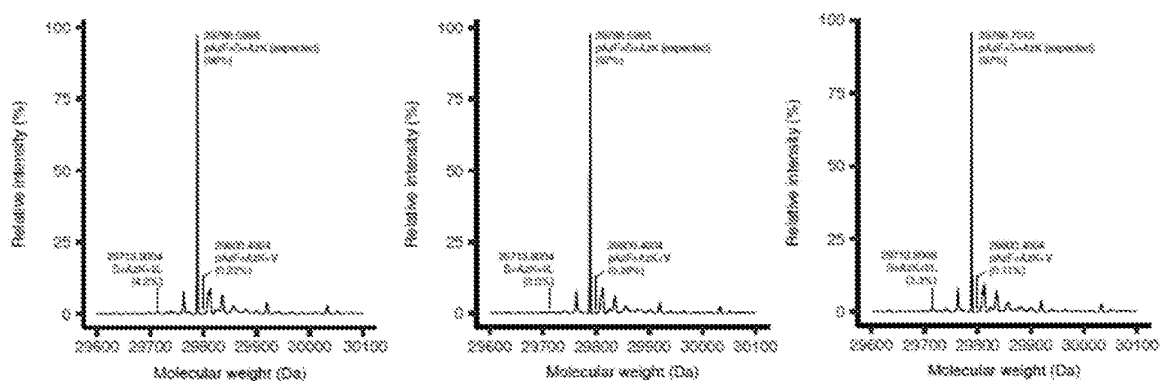


FIG. 16B

MW (Da)	Δ MW (rel. to reference; Da)	Assignment	Interpretation
29788.6	0.0	Y151pAzF D190S Y200AzK	expected product
29713.9	-74.7	Y151IL D190S Y200AzK	AXC→ATC
29763.0	-25.6	Oxidation of arginine	technical
29801.2	12.6	Y151pAzF D150V Y200AzK	GXT→GTT
29812.3	23.7	Na adduct	technical
29835.6	47.0	2xNa adduct	technical
29857.1	68.5	3xNa adduct	technical
29919.4	130.8	+Met	unprocessed N-terminal
30033.0	244.4	+Biotin	technical