

SHCwt	MAEQLVEAPAYARTLDR	AVEYLLSCQKDEGYW	WGPLLSNVTMEAEYVLLCHIL	DRVDRDRMEKIRRYLLHEQ	REDGTWALYPGGPP	86
SHC1	MAEQLVEAPAYARTLDR	AVEYLLSCQKDEGYW	WGPLLSNVTMEAEYVLLCHIL	DRVDRDRMEKIRRYLLHEQ	REDGTWALYPGGPP	86
SHC2	MAEQLVEAPAYARTLDR	AVEYLLSCQKDEGYW	WGPLLSNVTMEAEYVLLCHIL	DRVDRDRMEKIRRYLLHEQ	REDGTWALYPGGPP	86
SHC3	MAEQLVEAPAYARTLDR	AVEYLLSCQKDEGYW	WGPLLSNVTMEAEYVLLCHIL	DRVDRDRMEKIRRYLLHEQ	REDGTWALYPGGPP	86
SHC4	MAEQLVEAPAYARTLDR	AVEYLLSCQKDEGYW	WGPLLSNVTMEAEYVLLCHIL	DRVDRDRMEKIRRYLLHEQ	REDGTWALYPGGPP	86
SHC5	MAEQLVEAPAYARTLDR	AVEYLLSCQKDEGYW	WGPLLSNVTMEAEYVLLCHIL	DRVDRDRMEKIRRYLLHEQ	REDGTWALYPGGPP	86
SHC6	MAEQLVEAPAYARTLDR	AVEYLLSCQKDEGYW	WGPLLSNVTMEAEYVLLCHIL	DRVDRDRMEKIRRYLLHEQ	REDGTWALYPGGPP	86
SHC7	MAEQLVEAPAYARTLDR	AVEYLLSCQKDEGYW	WGPLLSNVTMEAEYVLLCHIL	DRVDRDRMEKIRRYLLHEQ	REDGTWALYPGGPP	86
SHC8	MAEQLVEAPAYARTLDR	AVEYLLSCQKDEGYW	WGPLLSNVTMEAEYVLLCHIL	DRVDRDRMEKIRRYLLHEQ	REDGTWALYPGGPP	86
SHC9	MAEQLVEAPAYARTLDR	AVEYLLSCQKDEGYW	WGPLLSNVTMEAEYVLLCHIL	DRVDRDRMEKIRRYLLHEQ	REDGTWALYPGGPP	86
SHC10	MAEQLVEAPAYARTLDR	AVEYLLSCQKDEGYW	WGPLLSNVTMEAEYVLLCHIL	DRVDRDRMEKIRRYLLHEQ	REDGTWALYPGGPP	86
SHCwt	DLDTTIEAYVALKYIG	MSRDEEPMQKALRFI	QSQGGIESSRVFTRMWLALVGEY	PWEKVPMPVPEIMFLGKR	MPLNIYEFGSWARA	172
SHC1	DLDTTIEAYVALKYIG	MSRDEEPMQKALRFI	QSQGGIESSRVFTRMWLALVGEY	PWEKVPMPVPEIMFLGKR	MPLNIYEFGSWARA	172
SHC2	DLDTTIEAYVALKYIG	MSRDEEPMQKALRFI	QSQGGIESSRVFTRMWLALVGEY	PWEKVPMPVPEIMFLGKR	MPLNIYEFGSWARA	172
SHC3	DLDTTIEAYVALKYIG	MSRDEEPMQKALRFI	QSQGGIESSRVFTRMWLALVGEY	PWEKVPMPVPEIMFLGKR	MPLNIYEFGSWARA	172
SHC4	DLDTTIEAYVALKYIG	MSRDEEPMQKALRFI	QSQGGIESSRVFTRMWLALVGEY	PWEKVPMPVPEIMFLGKR	MPLNIYEFGSWARA	172
SHC5	DLDTTIEAYVALKYIG	MSRDEEPMQKALRFI	QSQGGIESSRVFTRMWLALVGEY	PWEKVPMPVPEIMFLGKR	MPLNIYEFGSWARA	172
SHC6	DLDTTIEAYVALKYIG	MSRDEEPMQKALRFI	QSQGGIESSRVFTRMWLALVGEY	PWEKVPMPVPEIMFLGKR	MPLNIYEFGSWARA	172
SHC7	DLDTTIEAYVALKYIG	MSRDEEPMQKALRFI	QSQGGIESSRVFTRMWLALVGEY	PWEKVPMPVPEIMFLGKR	MPLNIYEFGSWARA	172
SHC8	DLDTTIEAYVALKYIG	MSRDEEPMQKALRFI	QSQGGIESSRVFTRMWLALVGEY	PWEKVPMPVPEIMFLGKR	MPLNIYEFGSWARA	172
SHC9	DLDTTIEAYVALKYIG	MSRDEEPMQKALRFI	QSQGGIESSRVFTRMWLALVGEY	PWEKVPMPVPEIMFLGKR	MPLNIYEFGSWARA	172
SHC10	DLDTTIEAYVALKYIG	MSRDEEPMQKALRFI	QSQGGIESSRVFTRMWLALVGEY	PWEKVPMPVPEIMFLGKR	MPLNIYEFGSWARA	172

FIG. 1

SHCwt	TVVALSIVMSRQPVFFPLPERARVPPELYETDVP	PRRRGAKGGGGWIFDALDRALHGYQKLSVHP	FRRAAEIRALDWLLERQAGDGSW	258
SHC1	TVVALSIVMSRQPVFFPLPERARVPPELYETDVP	PRRRGAKGGGGWIFDALDRALHGYQKLSVHP	FRRAAEIRALDWLLERQAGDGSW	258
SHC2	TVVALSIVMSRQPVFFPLPERARVPPELYETDVP	PRRRGAKGGGGWIFDALDRALHGYQKLSVHP	FRRAAEIRALDWLLERQAGDGSW	258
SHC3	TVVALSIVMSRQPVFFPLPERARVPPELYETDVP	PRRRGAKGGGGWIFDALDRALHGYQKLSVHP	FRRAAEIRALDWLLERQAGDGSW	258
SHC4	TVVALSIVMSRQPVFFPLPERARVPPELYETDVP	PRRRGAKGGGGWIFDALDRALHGYQKLSVHP	FRRAAEIRALDWLLERQAGDGSW	258
SHC5	TVVALSIVMSRQPVFFPLPERARVPPELYETDVP	PRRRGAKGGGGWIFDALDRALHGYQKLSVHP	FRRAAEIRALDWLLERQAGDGSW	258
SHC6	TVVALSIVMSRQPVFFPLPERARVPPELYETDVP	PRRRGAKGGGGWIFDALDRALHGYQKLSVHP	FRRAAEIRALDWLLERQAGDGSW	258
SHC7	TVVALSIVMSRQPVFFPLPERARVPPELYETDVP	PRRRGAKGGGGWIFDALDRALHGYQKLSVHP	FRRAAEIRALDWLLERQAGDGSW	258
SHC8	TVVALSIVMSRQPVFFPLPERARVPPELYETDVP	PRRRGAKGGGGWIFDALDRALHGYQKLSVHP	FRRAAEIRALDWLLERQAGDGSW	258
SHC9	TVVALSIVMSRQPVFFPLPERARVPPELYETDVP	PRRRGAKGGGGWIFDALDRALHGYQKLSVHP	FRRAAEIRALDWLLERQAGDGSW	258
SHC10	TVVALSIVMSRQPVFFPLPERARVPPELYETDVP	PRRRGAKGGGGWIFDALDRALHGYQKLSVHP	FRRAAEIRALDWLLERQAGDGSW	258
SHCwt	GGIQPPWFYALIALKILDMTQHPAFIKGWEGL	ELEYGVELDYGGWMFQASISPVWDTGLAVL	ALRAAGLPADHDRLVKAGEWLLDRQ	344
SHC1	GGIQPPWFYALIALKILDMTQHPAFIKGWEGL	ELEYGVELDYGGWMFQASISPVWDTGLAVL	ALRAAGLPADHDRLVKAGEWLLDRQ	344
SHC2	GGIQPPWFYALIALKILDMTQHPAFIKGWEGL	ELEYGVELDYGGWMFQASISPVWDTGLAVL	ALRAAGLPADHDRLVKAGEWLLDRQ	344
SHC3	GGIQPPWFYALIALKILDMTQHPAFIKGWEGL	ELEYGVELDYGGWMFQASISPVWDTGLAVL	ALRAAGLPADHDRLVKAGEWLLDRQ	344
SHC4	GGIQPPWFYALIALKILDMTQHPAFIKGWEGL	ELEYGVELDYGGWMFQASISPVWDTGLAVL	ALRAAGLPADHDRLVKAGEWLLDRQ	344
SHC5	GGIQPPWFYALIALKILDMTQHPAFIKGWEGL	ELEYGVELDYGGWMFQASISPVWDTGLAVL	ALRAAGLPADHDRLVKAGEWLLDRQ	344
SHC6	GGIQPPWFYALIALKILDMTQHPAFIKGWEGL	ELEYGVELDYGGWMFQASISPVWDTGLAVL	ALRAAGLPADHDRLVKAGEWLLDRQ	344
SHC7	GGIQPPWFYALIALKILDMTQHPAFIKGWEGL	ELEYGVELDYGGWMFQASISPVWDTGLAVL	ALRAAGLPADHDRLVKAGEWLLDRQ	344
SHC8	GGIQPPWFYALIALKILDMTQHPAFIKGWEGL	ELEYGVELDYGGWMFQASISPVWDTGLAVL	ALRAAGLPADHDRLVKAGEWLLDRQ	344
SHC9	GGIQPPWFYALIALKILDMTQHPAFIKGWEGL	ELEYGVELDYGGWMFQASISPVWDTGLAVL	ALRAAGLPADHDRLVKAGEWLLDRQ	344
SHC10	GGIQPPWFYALIALKILDMTQHPAFIKGWEGL	ELEYGVELDYGGWMFQASISPVWDTGLAVL	ALRAAGLPADHDRLVKAGEWLLDRQ	344

FIG. 2

SHCwt	ITVPGDWAVKRPNLKPGGFAFQFDNVYYPDVDDTAVVWALNTLRLPDERRRRDAMTKGFRWIVGMQSSNGGWGAYDVDNTSDLPN	430
SHC1	ITVPGDWAVKRPNLKPGGFAFQFDNVYYPDVDDTAVVWALNTLRLPDERRRRDAMTKGFRWIVGMQSSNGGWGAYDVDNTSDLPN	430
SHC2	ITVPGDWAVKRPNLKPGGFAFQFDNVYYPDVDDTAVVWALNTLRLPDERRRRDAMTKGFRWIVGMQSSNGGWGAYDVDNTSDLPN	430
SHC3	ITVPGDWAVKRPNLKPGGFAFQFDNVYYPDVDDTAVVWALNTLRLPDERRRRDAMTKGFRWIVGMQSSNGGWGAYDVDNTSDLPN	430
SHC4	ITVPGDWAVKRPNLKPGGFAFQFDNVYYPDVDDTAVVWALNTLRLPDERRRRDAMTKGFRWIVGMQSSNGGWGAYDVDNTSDLPN	430
SHC5	ITVPGDWAVKRPNLKPGGFAFQFDNVYYPDVDDTAVVWALNTLRLPDERRRRDAMTKGFRWIVGMQSSNGGWGAYDVDNTSDLPN	430
SHC6	ITVPGDWAVKRPNLKPGGFAFQFDNVYYPDVDDTAVVWALNTLRLPDERRRRDAMTKGFRWIVGMQSSNGGWGAYDVDNTSDLPN	430
SHC7	ITVPGDWAVKRPNLKPGGFAFQFDNVYYPDVDDTAVVWALNTLRLPDERRRRDAMTKGFRWIVGMQSSNGGWGAYDVDNTSDLPN	430
SHC8	ITVPGDWAVKRPNLKPGGFAFQFDNVYYPDVDDTAVVWALNTLRLPDERRRRDAMTKGFRWIVGMQSSNGGWGAYDVDNTSDLPN	430
SHC9	ITVPGDWAVKRPNLKPGGFAFQFDNVYYPDVDDTAVVWALNTLRLPDERRRRDAMTKGFRWIVGMQSSNGGWGAYDVDNTSDLPN	430
SHC10	ITVPGDWAVKRPNLKPGGFAFQFDNVYYPDVDDTAVVWALNTLRLPDERRRRDAMTKGFRWIVGMQSSNGGWGAYDVDNTSDLPN	430
SHCwt	HIPFCDFGEVTDPPSEDVTAHVLECFGSFGYDDAWKVIIRRAVEYLLKREQKPDGSWFGRWGVNLYLGTGAVVSALKAVGIDTREPVI	516
SHC1	HIPFCDFGEVTDPPSEDVTAHVLECFGSFGYDDAWKVIIRRAVEYLLKREQKPDGSWFGRWGVNLYLGTGAVVSALKAVGIDTREPVI	516
SHC2	HIPFCDFGEVTDPPSEDVTAHVLECFGSFGYDDAWKVIIRRAVEYLLKREQKPDGSWFGRWGVNLYLGTGAVVSALKAVGIDTREPVI	516
SHC3	HIPFCDFGEVTDPPSEDVTAHVLECFGSFGYDDAWKVIIRRAVEYLLKREQKPDGSWFGRWGVNLYLGTGAVVSALKAVGIDTREPVI	516
SHC4	HIPFCDFGEVTDPPSEDVTAHVLECFGSFGYDDAWKVIIRRAVEYLLKREQKPDGSWFGRWGVNLYLGTGAVVSALKAVGIDTREPVI	516
SHC5	HIPFCDFGEVTDPPSEDVTAHVLECFGSFGYDDAWKVIIRRAVEYLLKREQKPDGSWFGRWGVNLYLGTGAVVSALKAVGIDTREPVI	516
SHC6	HIPFCDFGEVTDPPSEDVTAHVLECFGSFGYDDAWKVIIRRAVEYLLKREQKPDGSWFGRWGVNLYLGTGAVVSALKAVGIDTREPVI	516
SHC7	HIPFCDFGEVTDPPSEDVTAHVLECFGSFGYDDAWKVIIRRAVEYLLKREQKPDGSWFGRWGVNLYLGTGAVVSALKAVGIDTREPVI	516
SHC8	HIPFCDFGEVTDPPSEDVTAHVLECFGSFGYDDAWKVIIRRAVEYLLKREQKPDGSWFGRWGVNLYLGTGAVVSALKAVGIDTREPVI	516
SHC9	HIPFCDFGEVTDPPSEDVTAHVLECFGSFGYDDAWKVIIRRAVEYLLKREQKPDGSWFGRWGVNLYLGTGAVVSALKAVGIDTREPVI	516
SHC10	HIPFCDFGEVTDPPSEDVTAHVLECFGSFGYDDAWKVIIRRAVEYLLKREQKPDGSWFGRWGVNLYLGTGAVVSALKAVGIDTREPVI	516

FIG. 3

SHCwt	QKALDWVEQHQNPDGGWGEDCRSYEDPAYAGKGASTPSQTAWALMALIAGGRAESEAARRGVQYLVETQRPDGGWDEPYYTGTGFP	602
SHC1	QKALDWVEQHQNPDGGWGEDCRSYEDPAYAGKGASTPSQTAWALMALIAGGRAESEAARRGVHLYLVETQRPDGGWDEPYYTGTGYP	602
SHC2	QKALDWVEQHQNPDGGWGEDCRSYEDPAYAGKGASTPSQTAWALMALIAGGRAESEAARRGVQYLVETQRPDGGWDEPYYTGTGFP	602
SHC3	QKALDWVEQHQNPDGGWGEDCRSYEDPAYAGKGASTPSQTAWALMALIAGGRAESEAARRGVQYLVETQRPDGGWDEPYYTGTGFP	602
SHC4	QKALDWVEQHQNPDGGWGEDCRSYEDPAYAGKGASTPSQTAWALMALIAGGRAESEAARRGVQYLVETQRPDGGWDEPYYTGTGYP	602
SHC5	QKALDWVEQHQNPDGGWGEDCRSYEDPAYAGKGASTPSQTAWALMALIAGGRAESEAARRGVQYLVETQRPDGGWDEPYYTGTGFP	602
SHC6	QKALDWVEQHQNPDGGWGEDCRSYEDPAYAGKGASTPSQTAWALMALIAGGRAESEAARRGVQYLVETQRPDGGWDEPYYTGTGFP	602
SHC7	QKALDWVEQHQNPDGGWGEDCRSYEDPAYAGKGASTPSQTAWALMALIAGGRAESEAARRGVQYLVETQRPDGGWDEPYYTGTGYP	602
SHC8	QKALDWVEQHQNPDGGWGEDCRSYEDPAYAGKGASTPSQTAWALMALIAGGRAESEAARRGVQYLVETQRPDGGWDEPYYTGTGFP	602
SHC9	QKALDWVEQHQNPDGGWGEDCRSYEDPAYAGKGASTPSQTAWALMALIAGGRAESEAARRGVQYLVETQRPDGGWDEPYYTGTGYP	602
SHC10	QKALDWVEQHQNPDGGWGEDCRSYEDPAYAGKGASTPSQTAWALMALIAGGRAESEAARRGVQYLVETQRPDGGWDEPYYTGTGYP	602
SHCwt	GDFYLGYTMYRHVFPTLALGRYKQAIERR	631
SHC1	GDFYLGYTMYRHVFPTLALGRYKQAIERR	631
SHC2	GDFYLGYTMYRHVFPTLALGRYKQAIERR	631
SHC3	GDFYLGYTMYRHVFPTLALGRYKQAIERR	631
SHC4	GDFYLGYTMYRHVFPTLALGRYKQAIERR	631
SHC5	GDFYLGYTMYRHVFPTLALGRYKQAIERR	631
SHC6	GDFYLGYTMYRHVFPTLALGRYKQAIERR	631
SHC7	GDFYLGYTMYRHVFPTLALGRYKQAIERR	631
SHC8	GDFYLGYTMYRHVFPTLALGRYKQAIERR	631
SHC9	GDFYLGYTMYRHVFPTLALGRYKQAIERR	631

FIG. 4

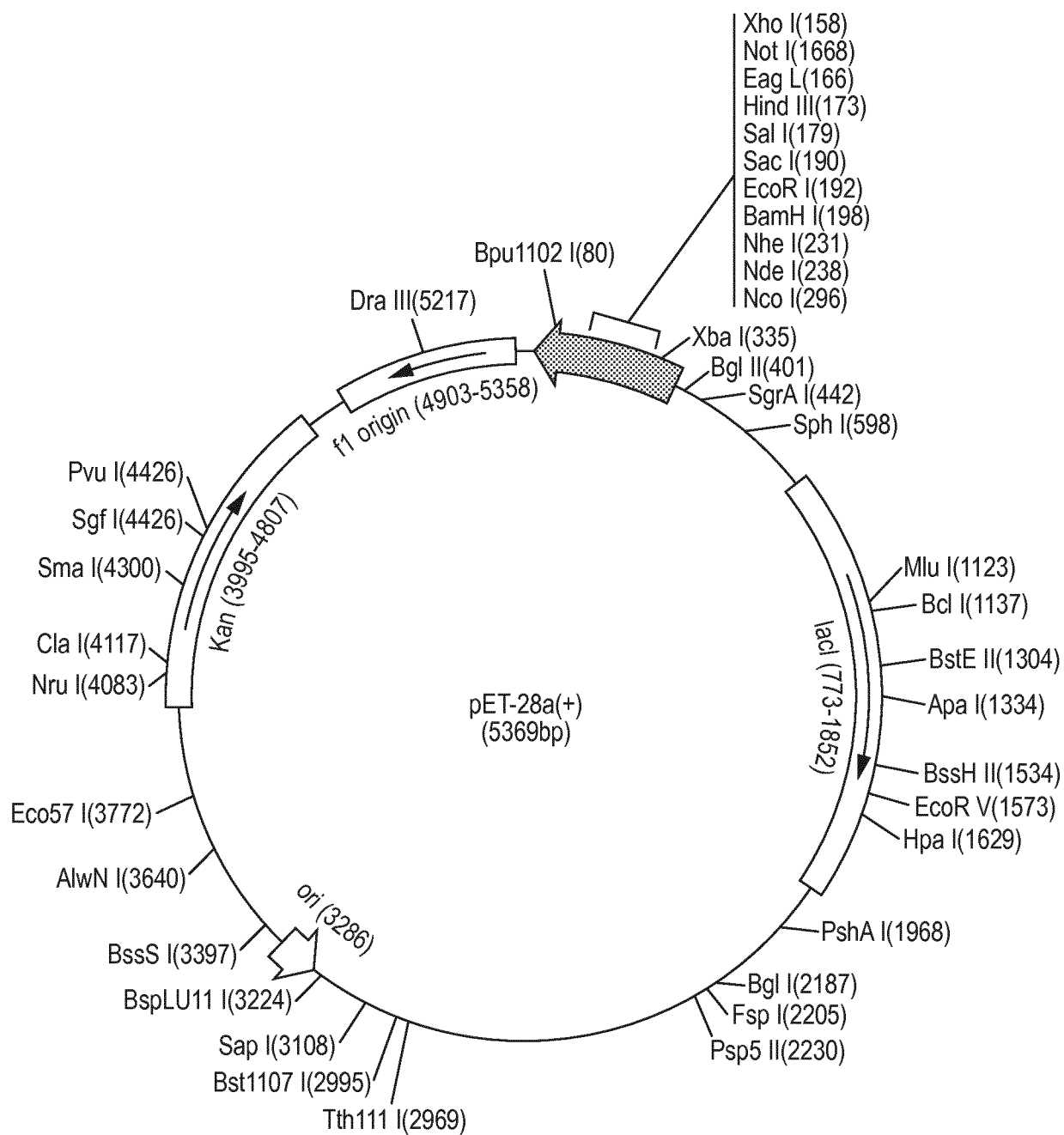


FIG. 5

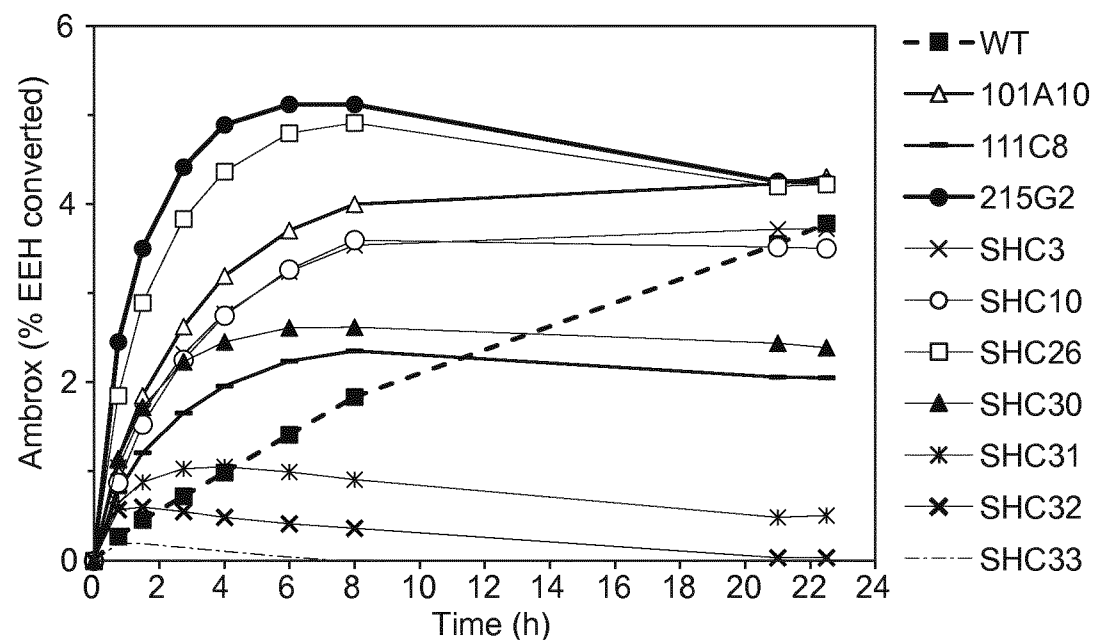


FIG. 6

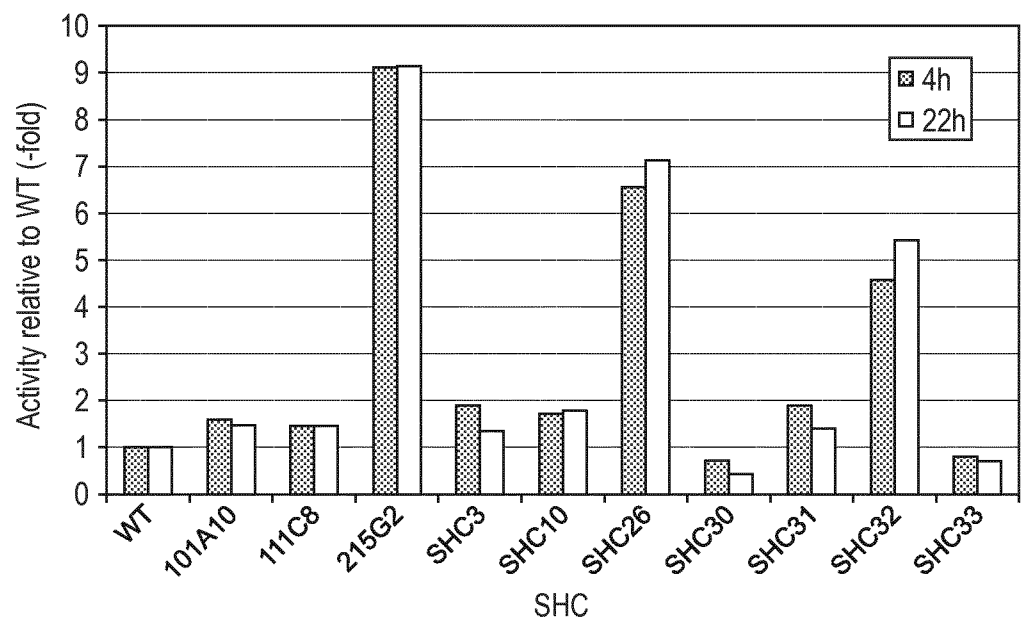


FIG. 7a

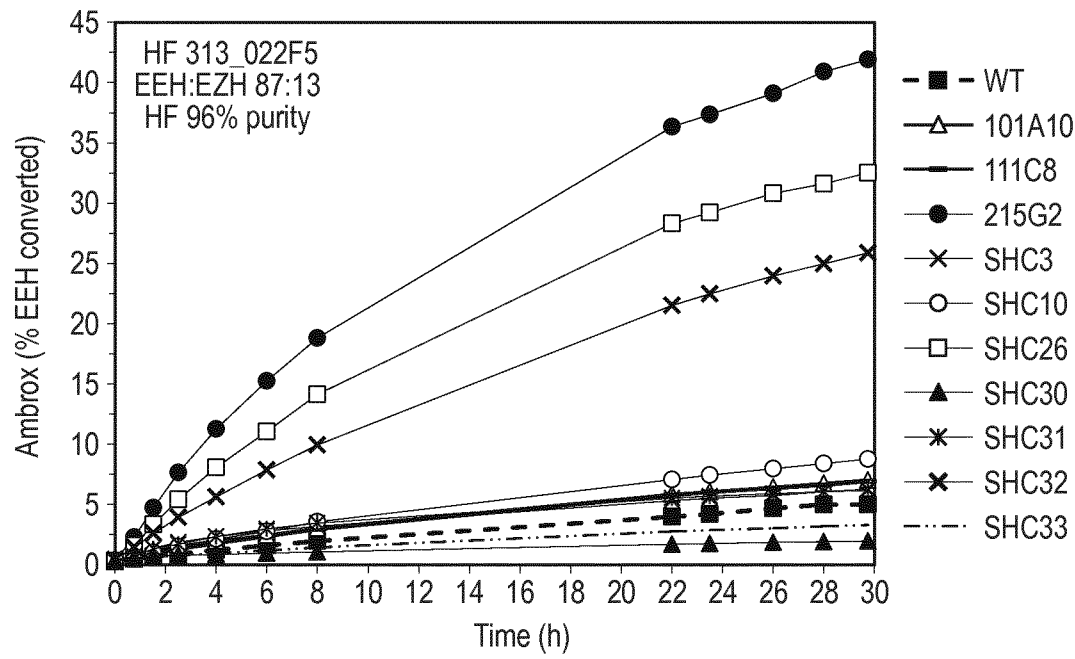


FIG. 7b

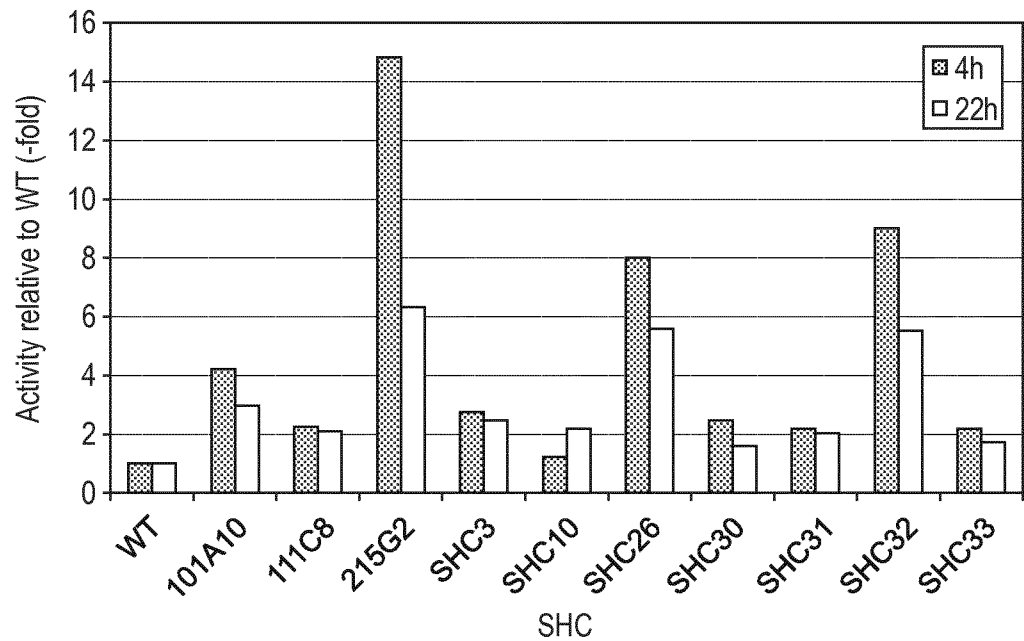


FIG. 8a

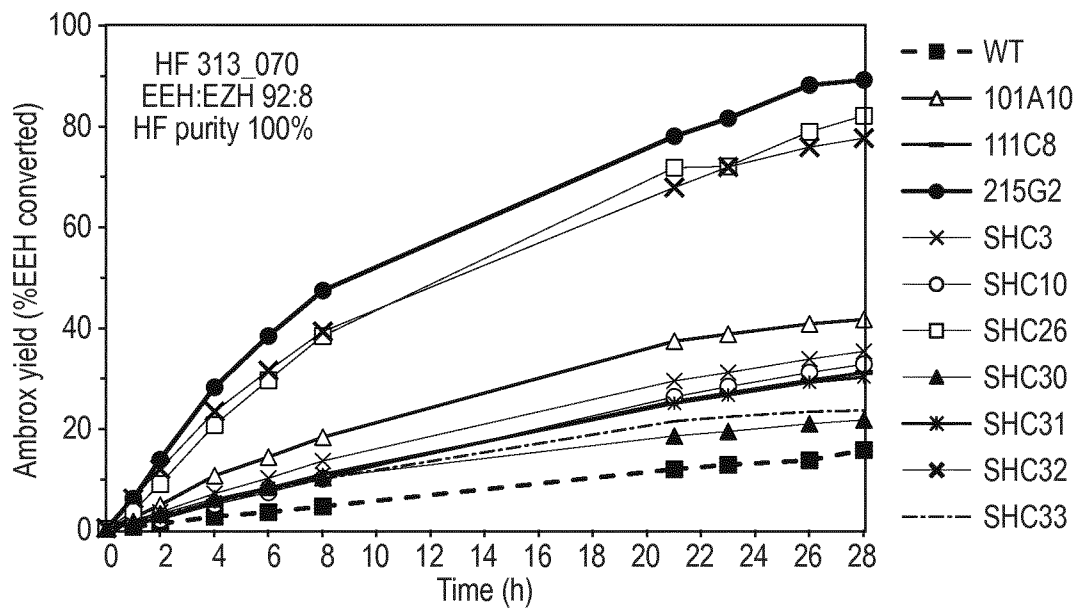


FIG. 8b

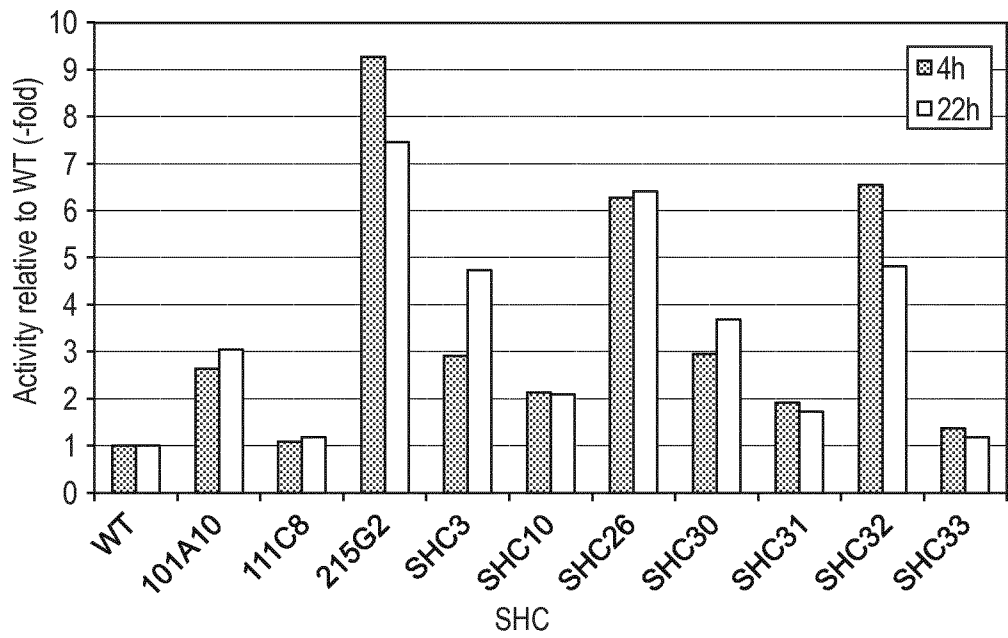


FIG. 9a

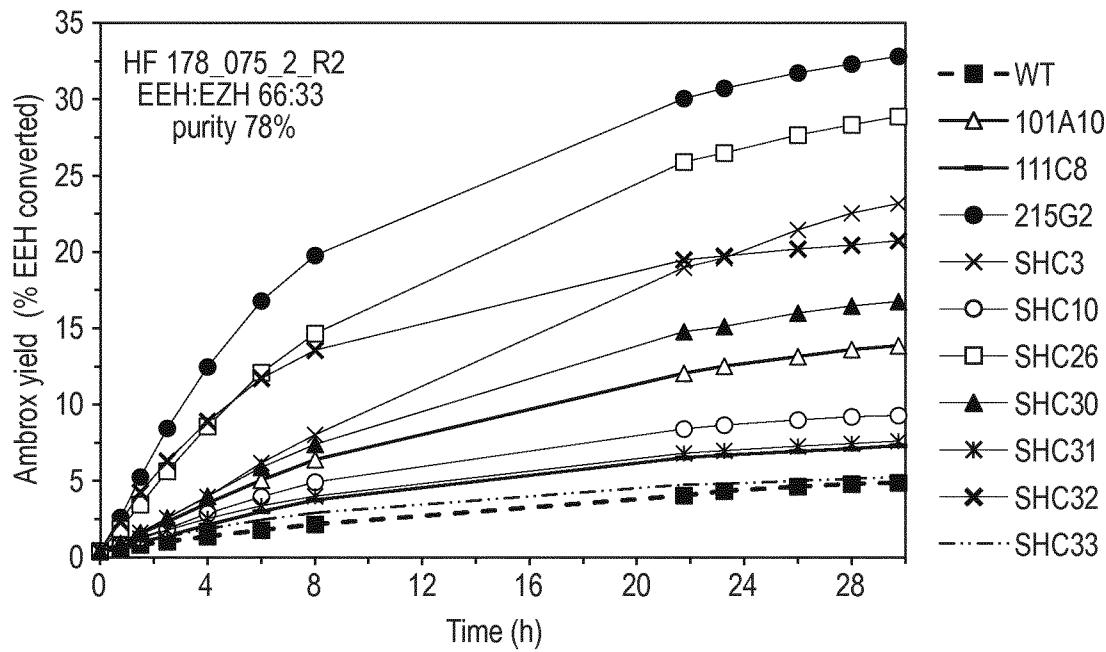


FIG. 9b

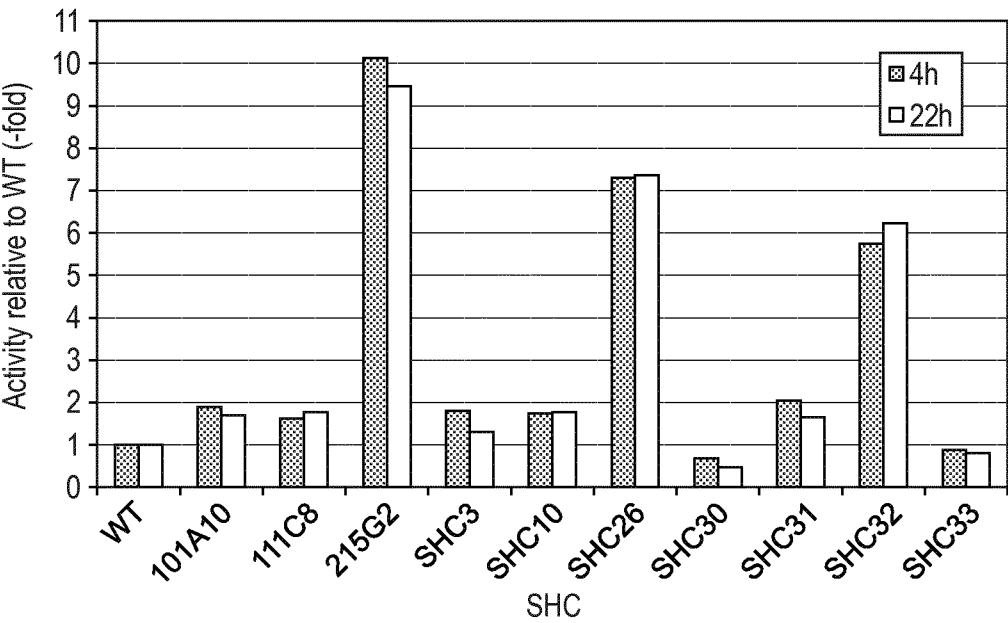


FIG. 10

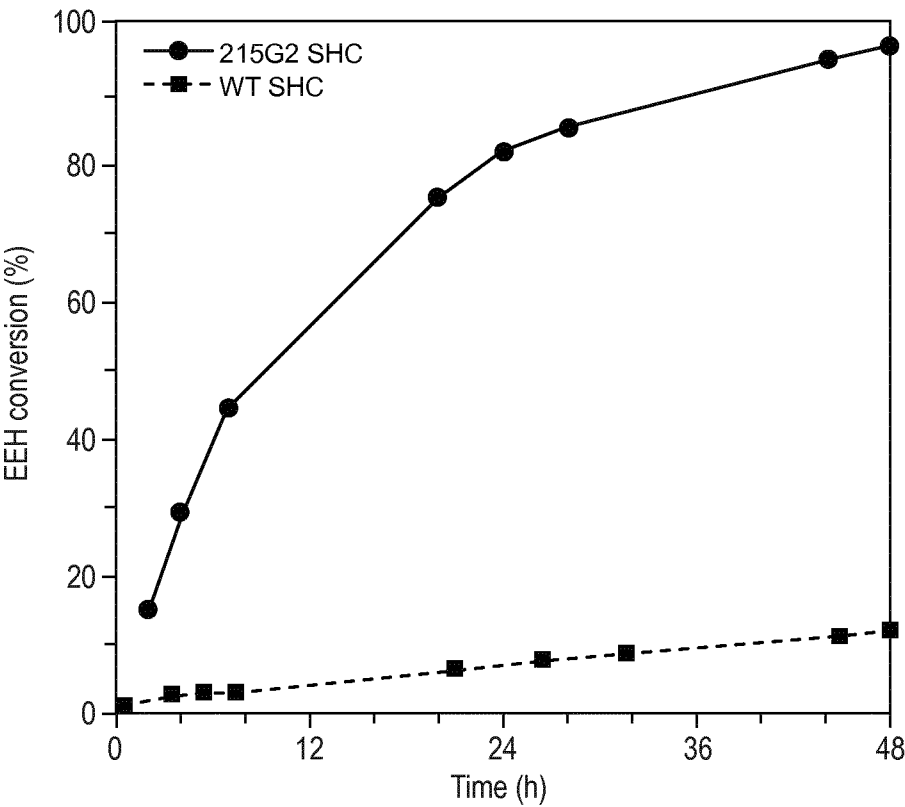


FIG. 11

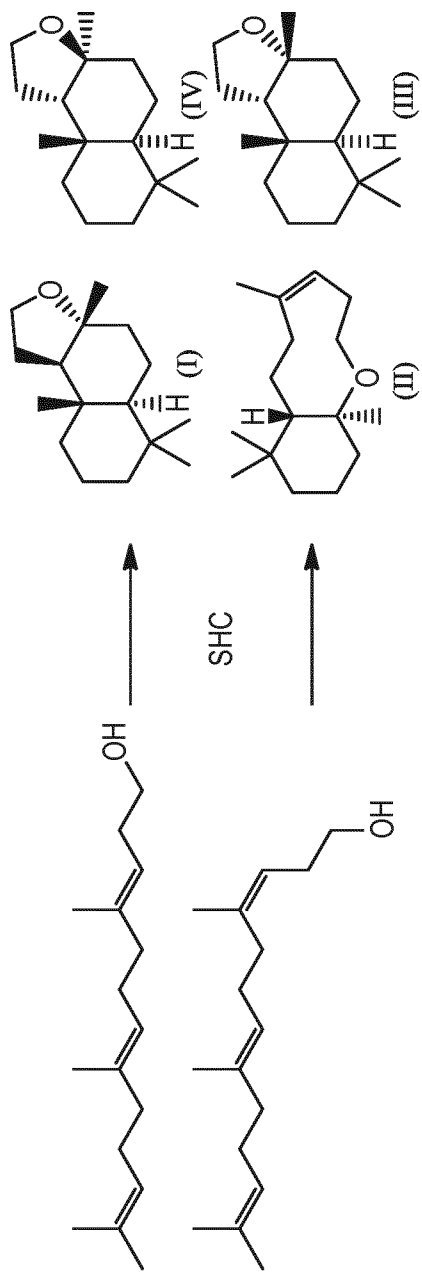


FIG. 12

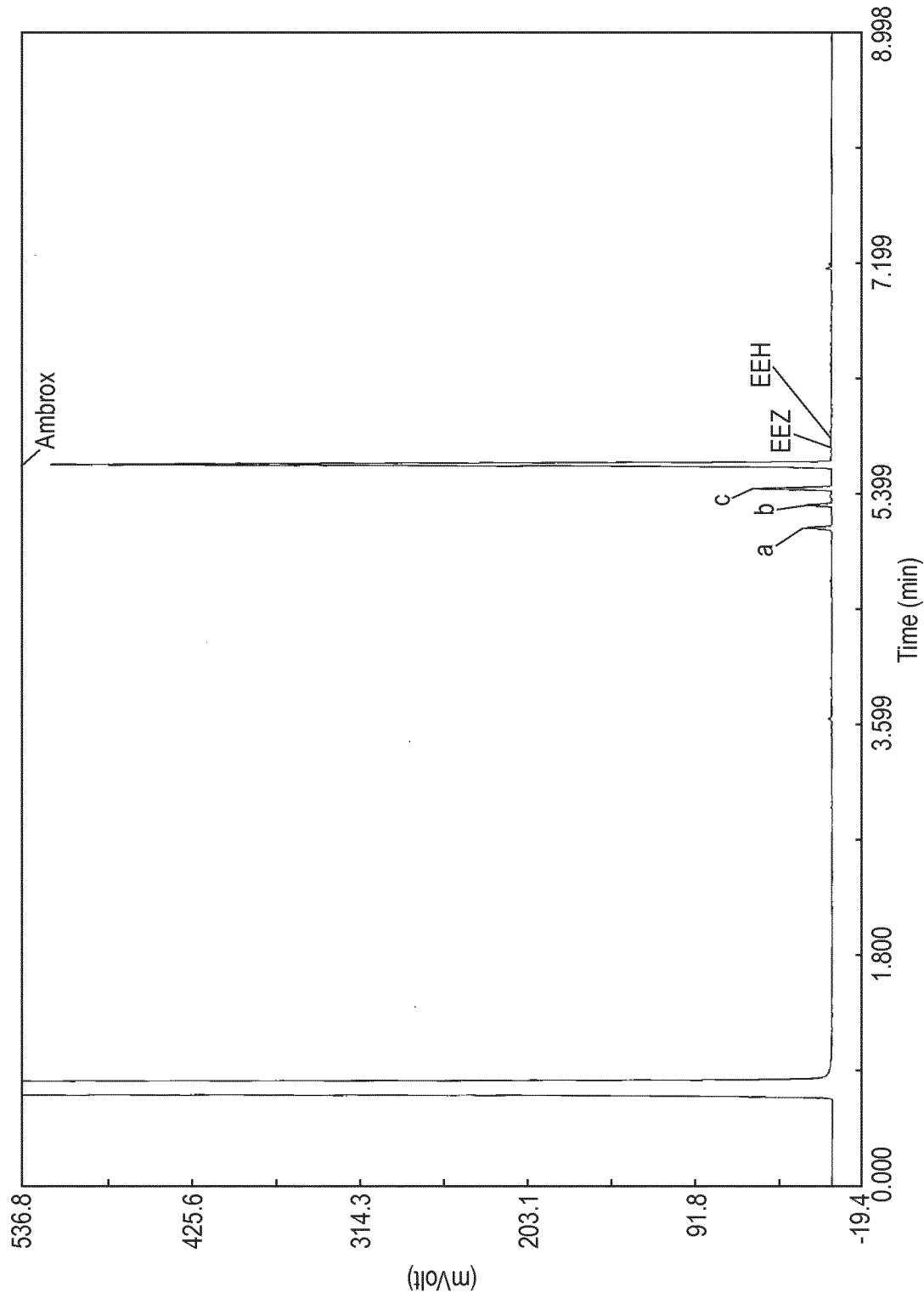


FIG. 13

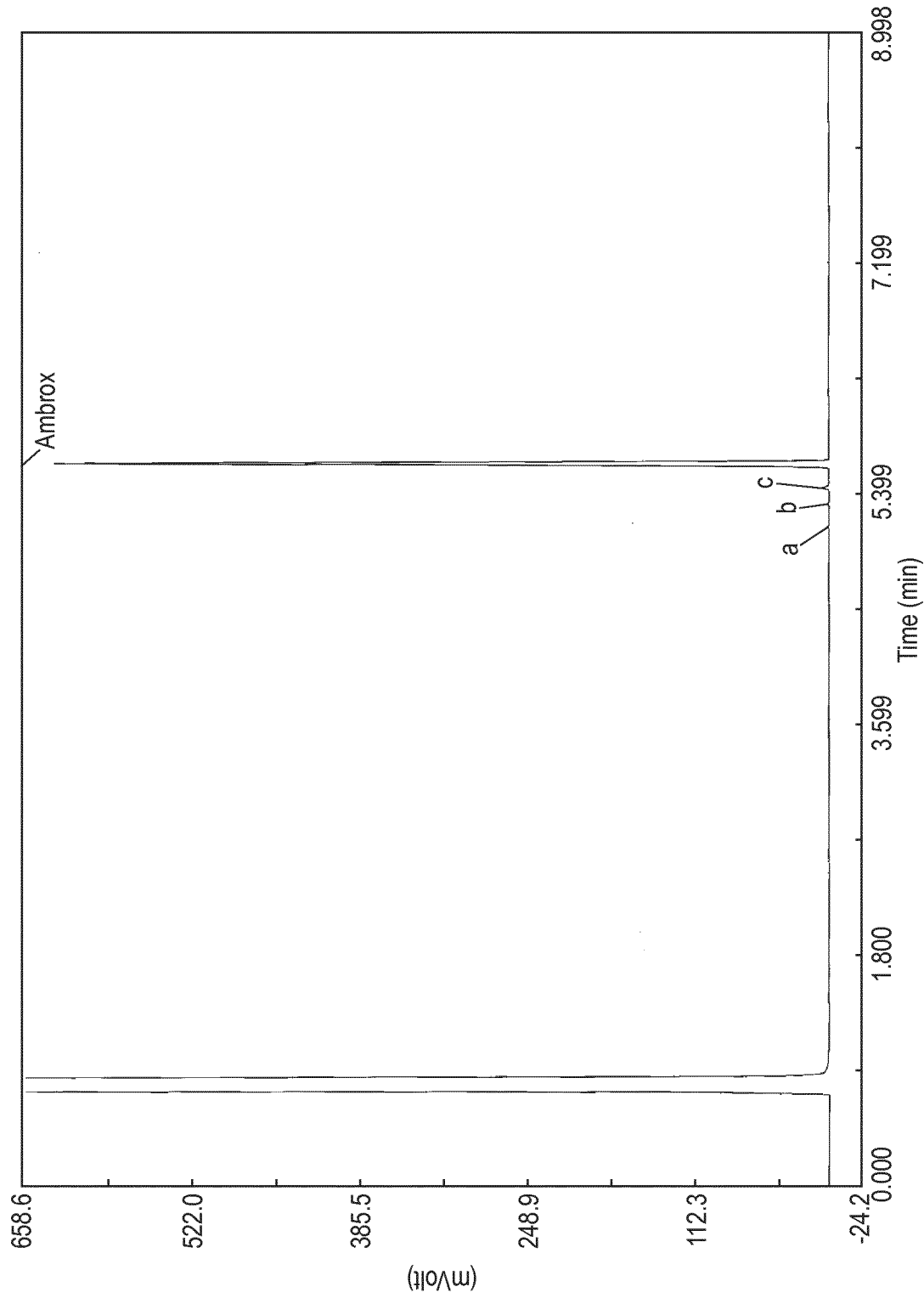


FIG. 14

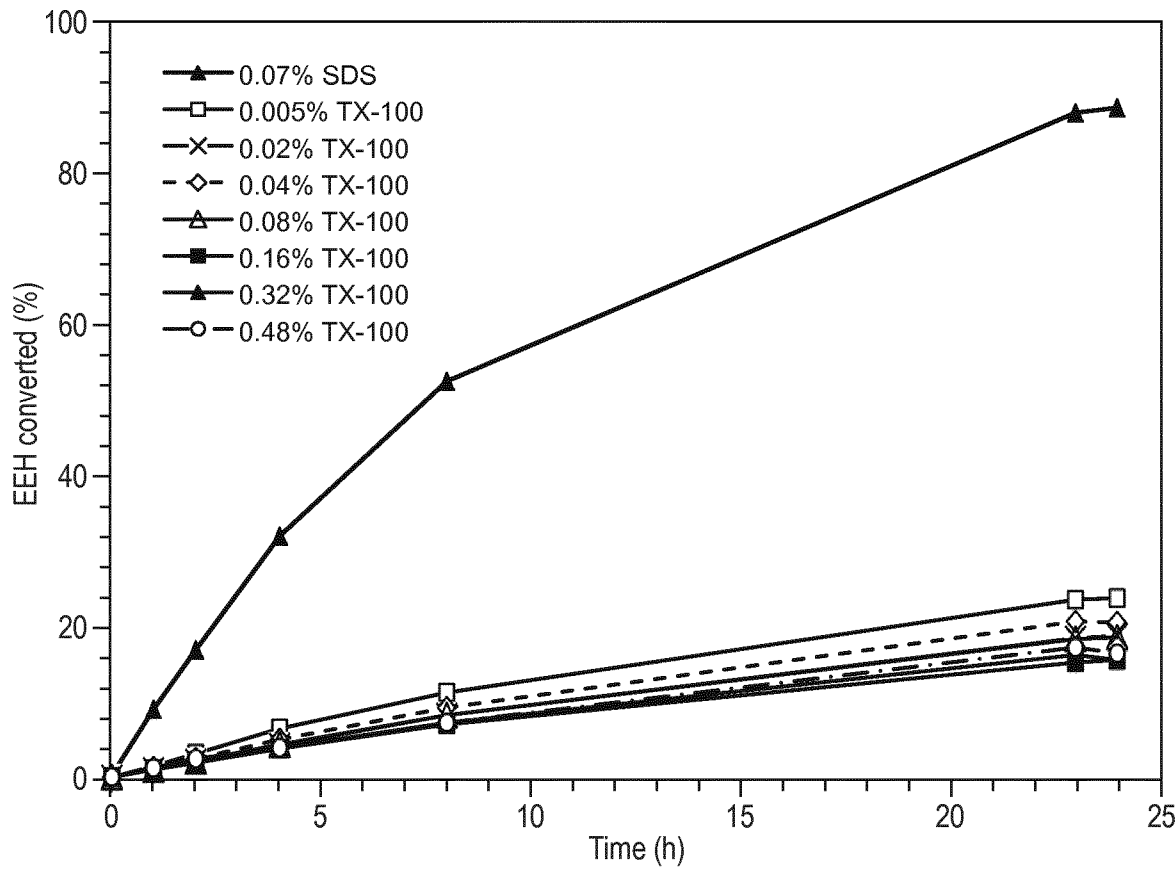


FIG. 15

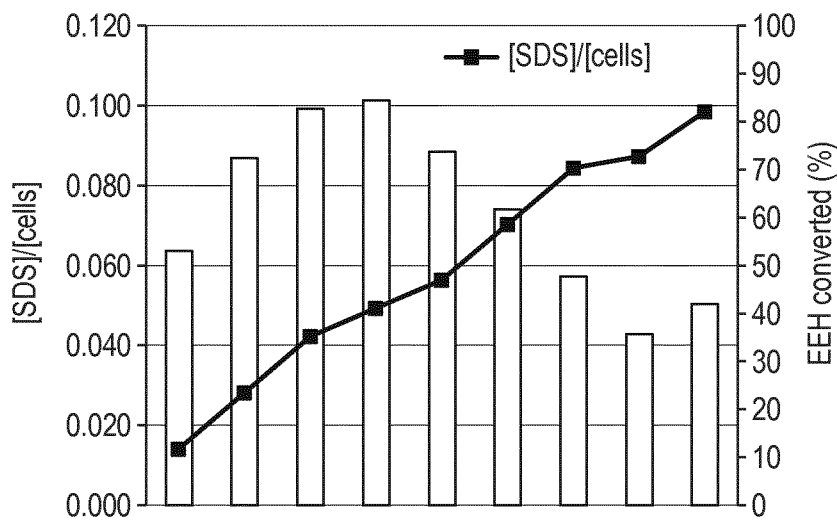


FIG. 16

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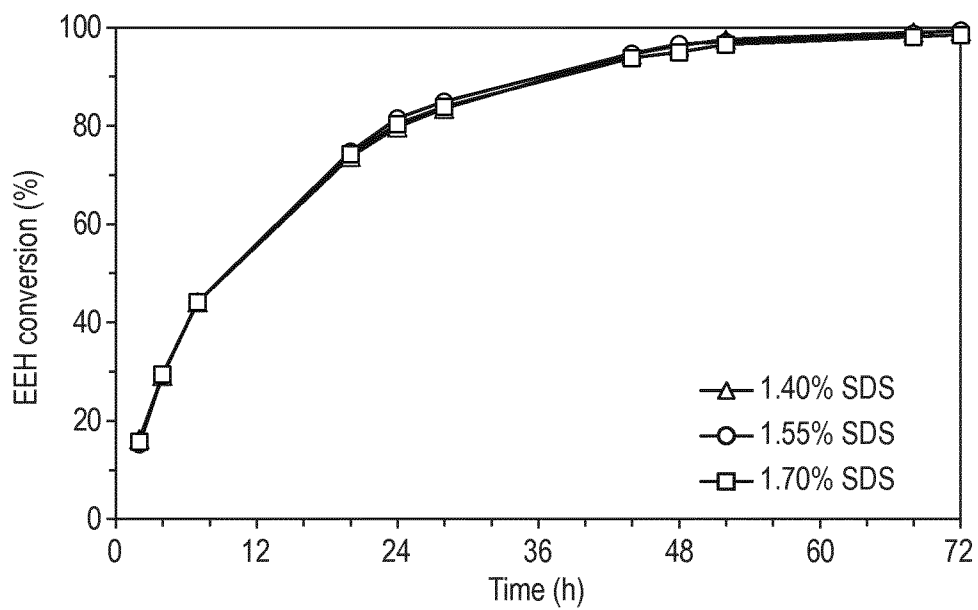


FIG. 17

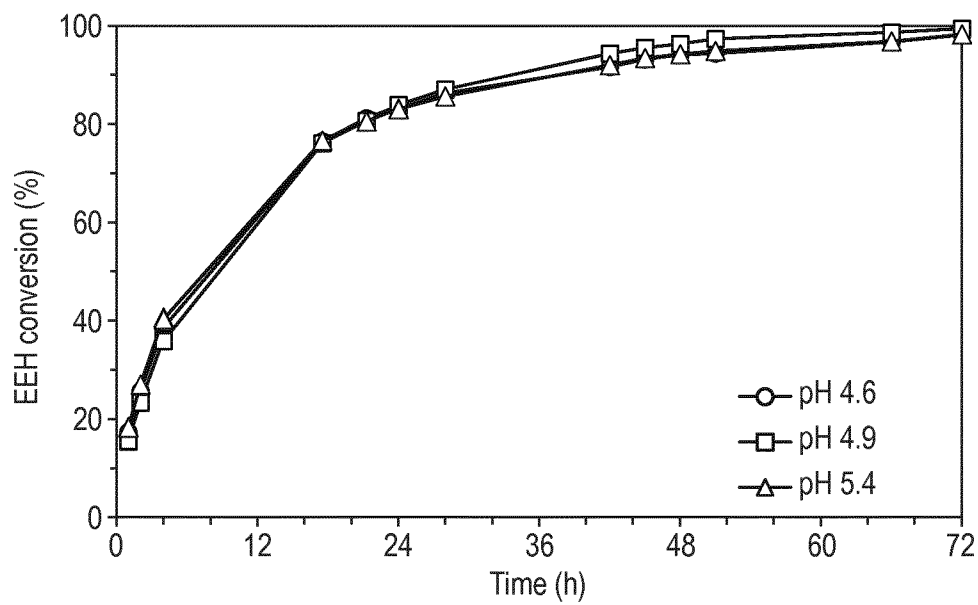


FIG. 18

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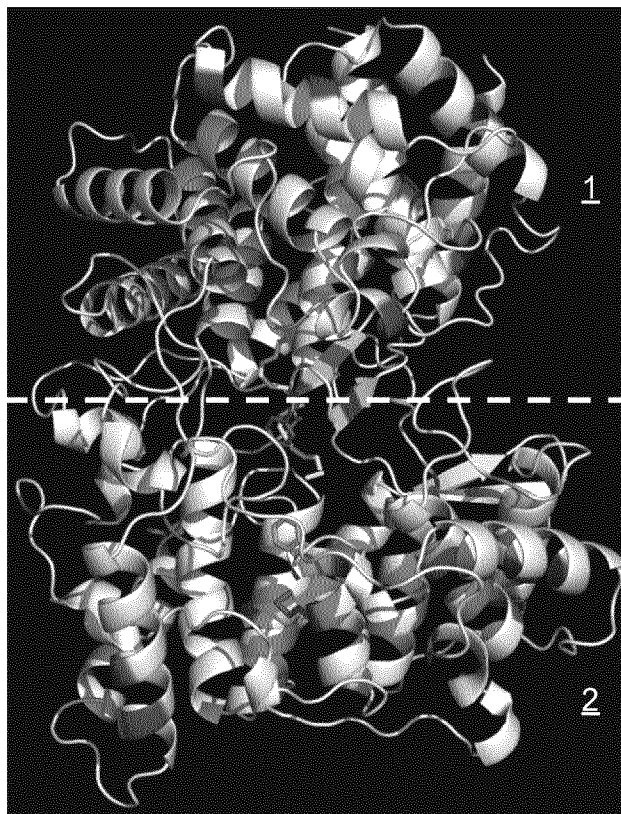


FIG. 19

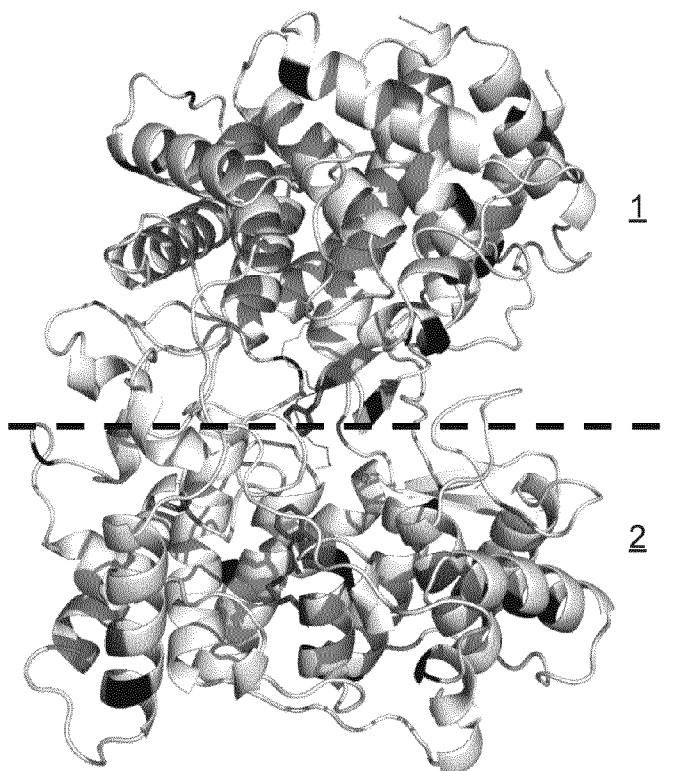


FIG. 20

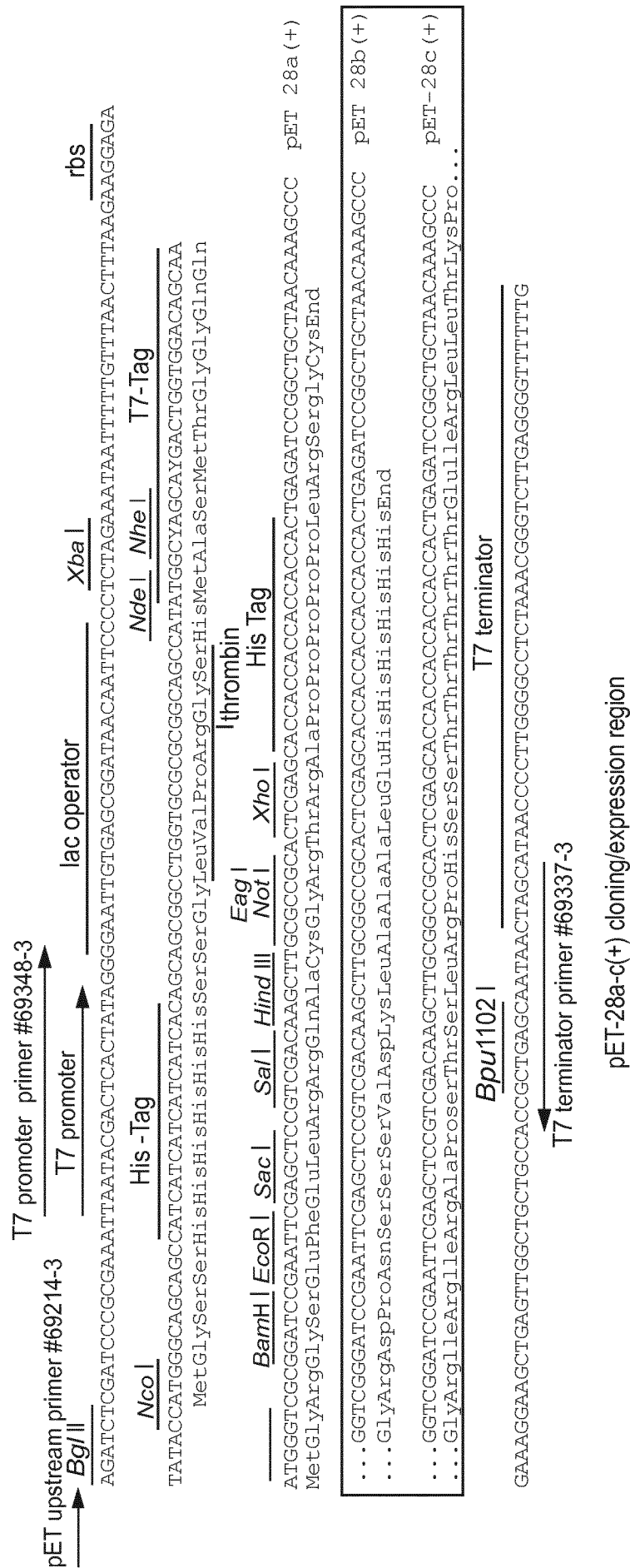


FIG. 21

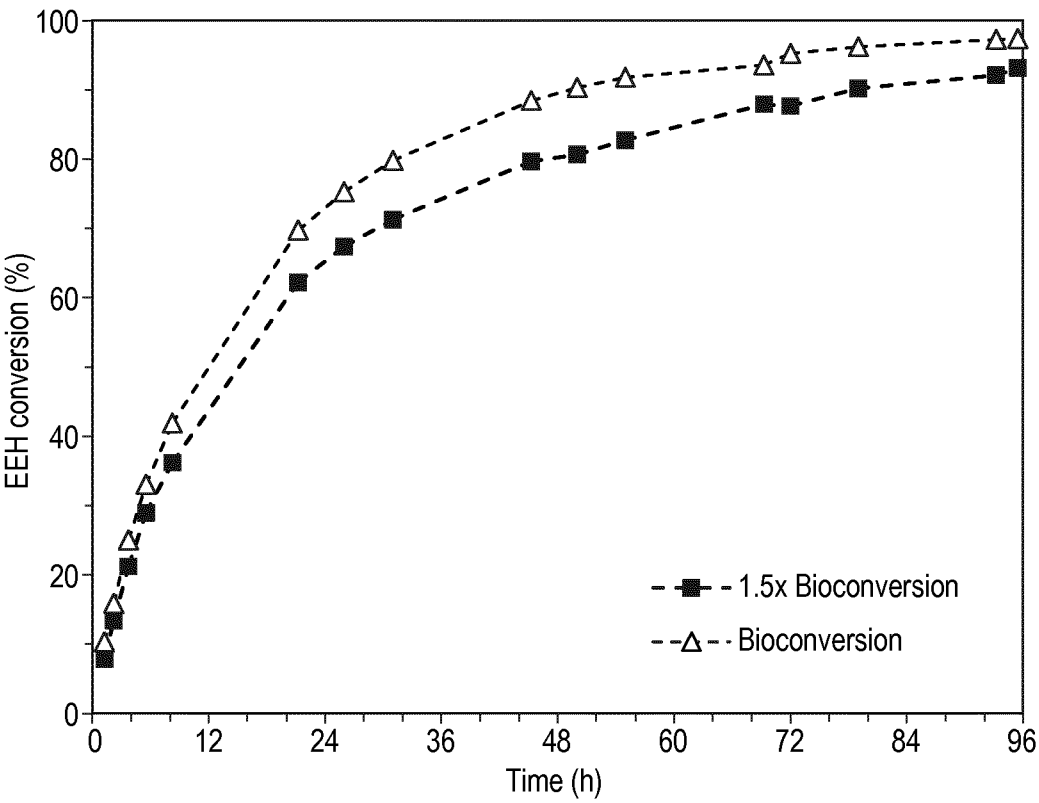


FIG. 22

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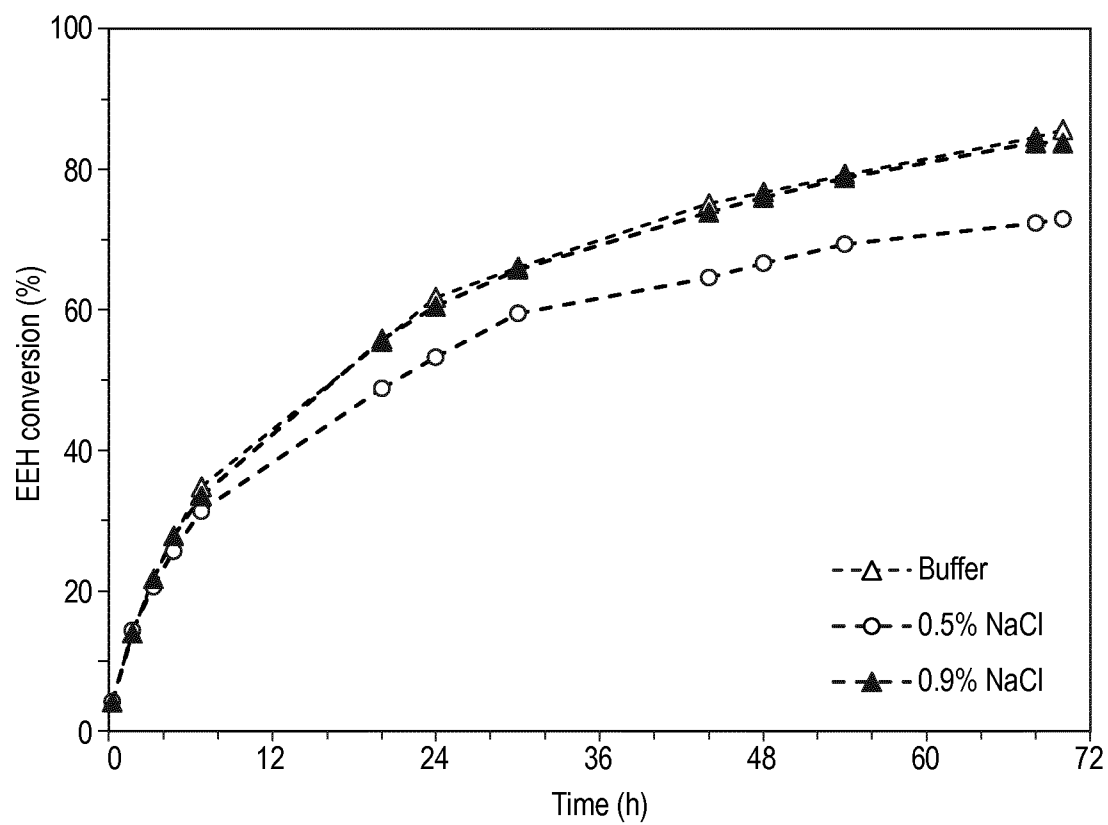


FIG. 23

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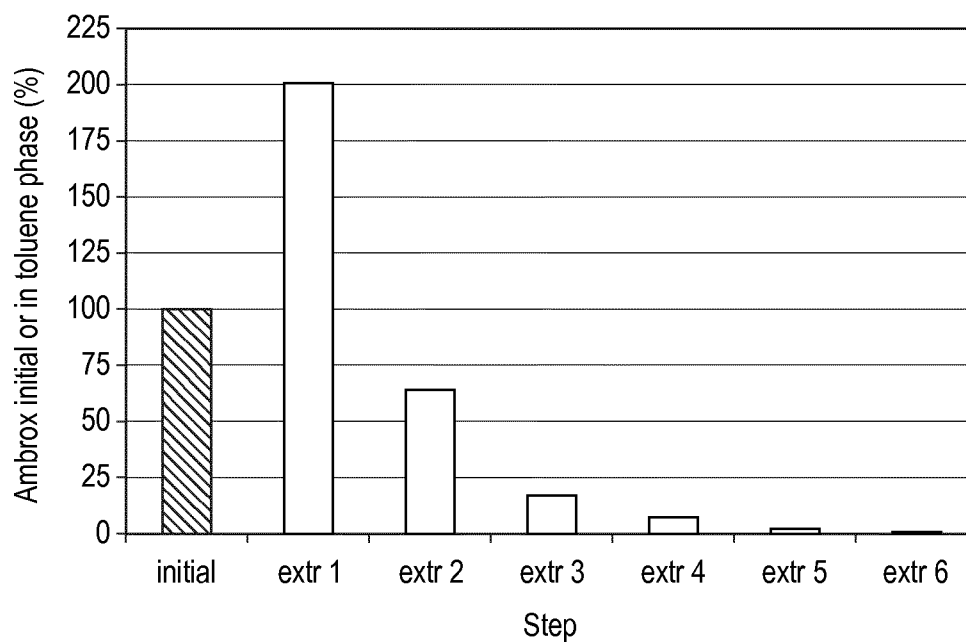


FIG. 24

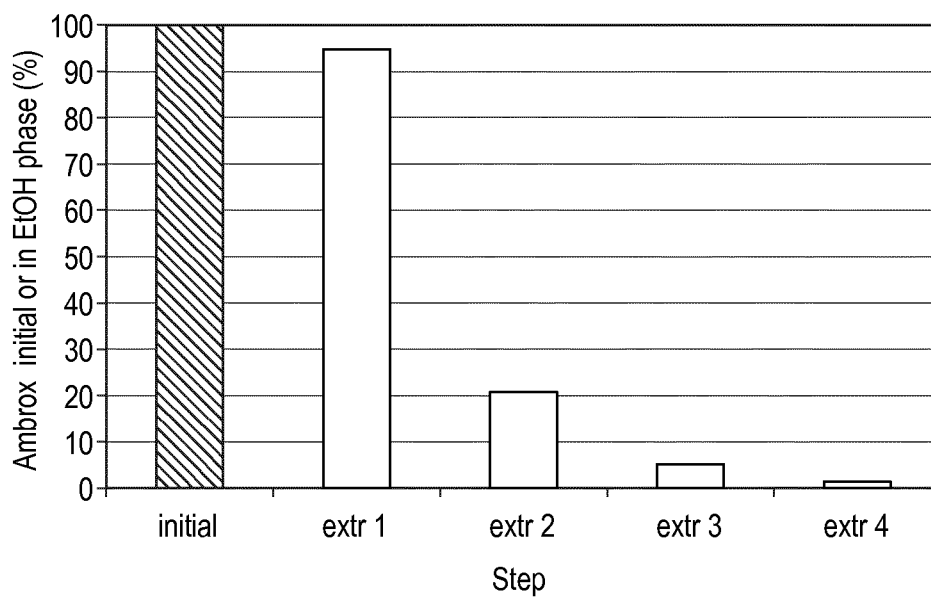


FIG. 25