

Figure S6

A)

CATATGGGTTTCGTCTCACCATCATCATCACCACTCGTCGGGTCTGGAAGTCCTGTTTCAAGGTCCGCAC
 ATGGAAG AAGCGAGCAAACGTTCTATCAGTTCTGGGATACCCAAACCGGTTCCGAAACTGGGTGAAGT
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 ACGCGTCGCGTGCACCTGGAAGGCATCTTTCAGGCGGTTTATACCGCCGGTGTGTCCTGCGCAACCC
 GGTGGGCACGTGCCGTTACTGATCGCATCGCAGCCTGAACCCGCGTAAACTGATGAAAGTTAAATTCAC
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 ACAATTTACCTGACGCCGGTGTATGCTCAGGAAGAAGTTGAACTTGTGTTTACCCGCAAGAAACA
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 CGTCCACGATTATGAACCATCCGACCCACAAATCACTGAAAGCGGCCATTTCGTTTTACAATGTGCAC
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 GTTCAACGCGCTGGACCTGATGGAAAACAAAACCTTTCGGA AAAACTGAAATTCGGCATGGTGTGATG
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B)

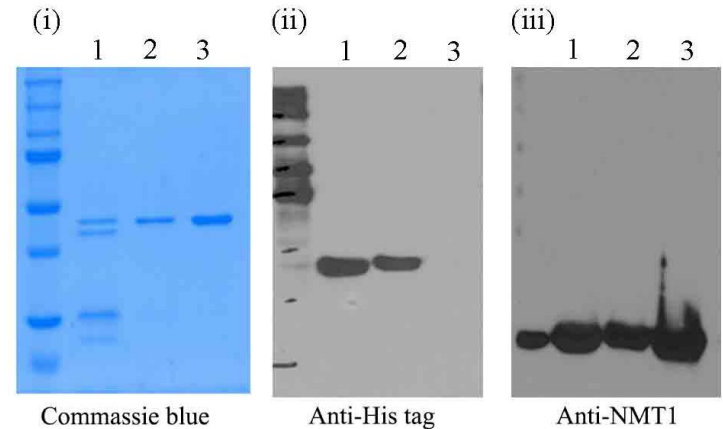
Human NMT1

MADESETAVKPPAPPLPQMMEGNGNGHEHCSDCENEEDNSYNRGGLSPANDTGAKK KKKKQ KKKK EKG
 SETDS AQDQPVKMN SLPAERIQEIQK AIELFSV GQGP AKT MEEASKRS YQFWD TQVPKLG E VV NTHG PVE
 PDKDNIRQEPY TLPQGFTW DALDLGDRGV LKEL Y TLL NENY VEDDDNMFRFDYSPE FLL WALRPPG WLPQ
 WHCG V R V V S S R K L V G F I S A I P A N I H I Y D T E K K M V E I N F L C V H K K L R S K R V A P V L R E I T R R V H L E G I F Q A V Y T
 A G V V L P K P V G T C R Y W H R S L N P R K L I E V K F S H L S R N M T M Q R T M K L Y R L P E T P K T A G L R P M E T K D I P V V H Q L
 L T R Y L K Q F H L T P V M S Q E E V E H W F Y P Q E N I I D T F V V E N A N G E V I D F L S F Y T L P S T I M N H P T H K S L K A A Y S F Y N
 V H T Q T P L L D L M S D A L V L A K M K G F D V F N A L D L M E N K T F L E K L K F G I G D G N L Q Y Y L Y N W K C P S M G A E K V G
 L V L Q

NMT1 purification

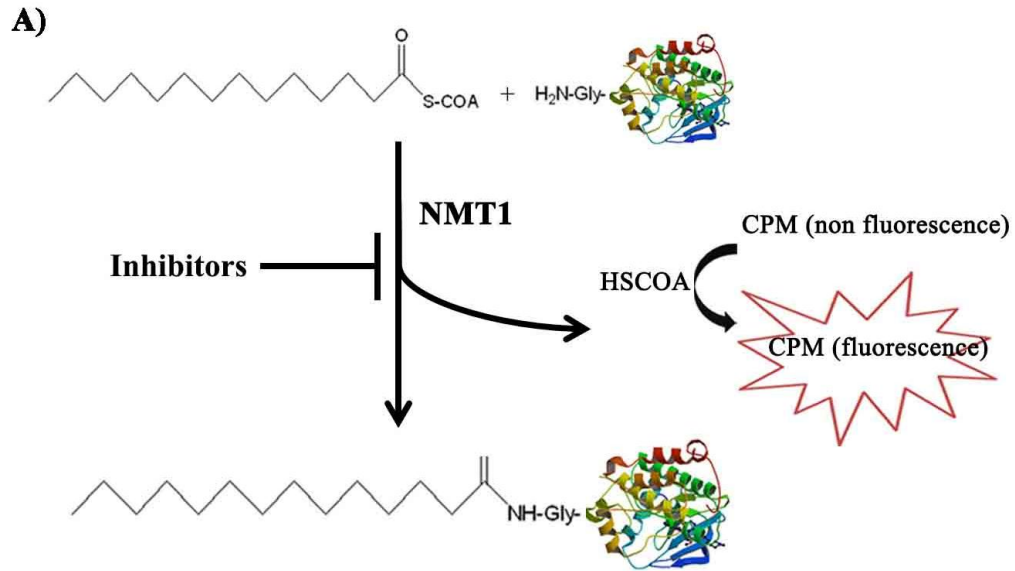
MGS SHHHHHHSSGLEVL FQGP H MEEASKRS YQFWD TQVPKLG E V V NTHG PVEPDKDNIRQEPY TLPQGF
 TWDALDLGDRGV LKEL Y TLL NENY VEDDDNMFRFDYSPE FLL WALRPPG WLPQWHCG V R V V S S R K L V G
 F I S A I P A N I H I Y D T E K K M V E I N F L C V H K K L R S K R V A P V L R E I T R R V H L E G I F Q A V Y T A G V V L P K P V G T C R Y W
 H R S L N P R K L I E V K F S H L S R N M T M Q R T M K L Y R L P E T P K T A G L R P M E T K D I P V V H Q L L T R Y L K Q F H L T P V M S Q
 E E V E H W F Y P Q E N I I D T F V V E N A N G E V I D F L S F Y T L P S T I M N H P T H K S L K A A Y S F Y N V H T Q T P L L D L M S D A L
 V L A K M K G F D V F N A L D L M E N K T F L E K L K F G I G D G N L Q Y Y L Y N W K C P S M G A E K V G L V L Q

C)

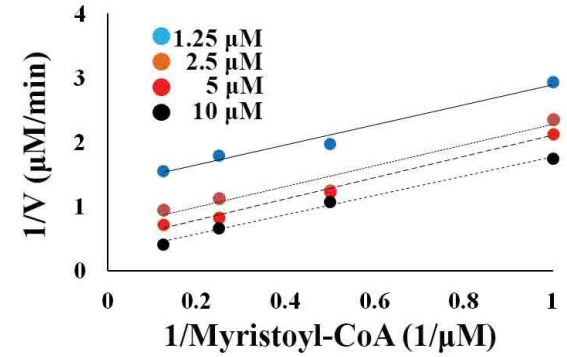


- 1. NMT1-His-tag (Ni-NTA)
- 2. NMT1-His-tag (Anion-exchange)
- 3. NMT1 without His-tag (Anion-exchange)

Figure S7



B)



Peptide concentration (μM)	K_m (μM)	V_{max}	K_m/V_{max}
1.25	0.86	1.33 ± 0.09	1.54 ± 0.17
2.5	0.41	0.67 ± 0.15	1.59 ± 0.26
5	0.28	0.46 ± 0.05	1.64 ± 0.09
10	0.17	0.26 ± 0.04	1.50 ± 0.07