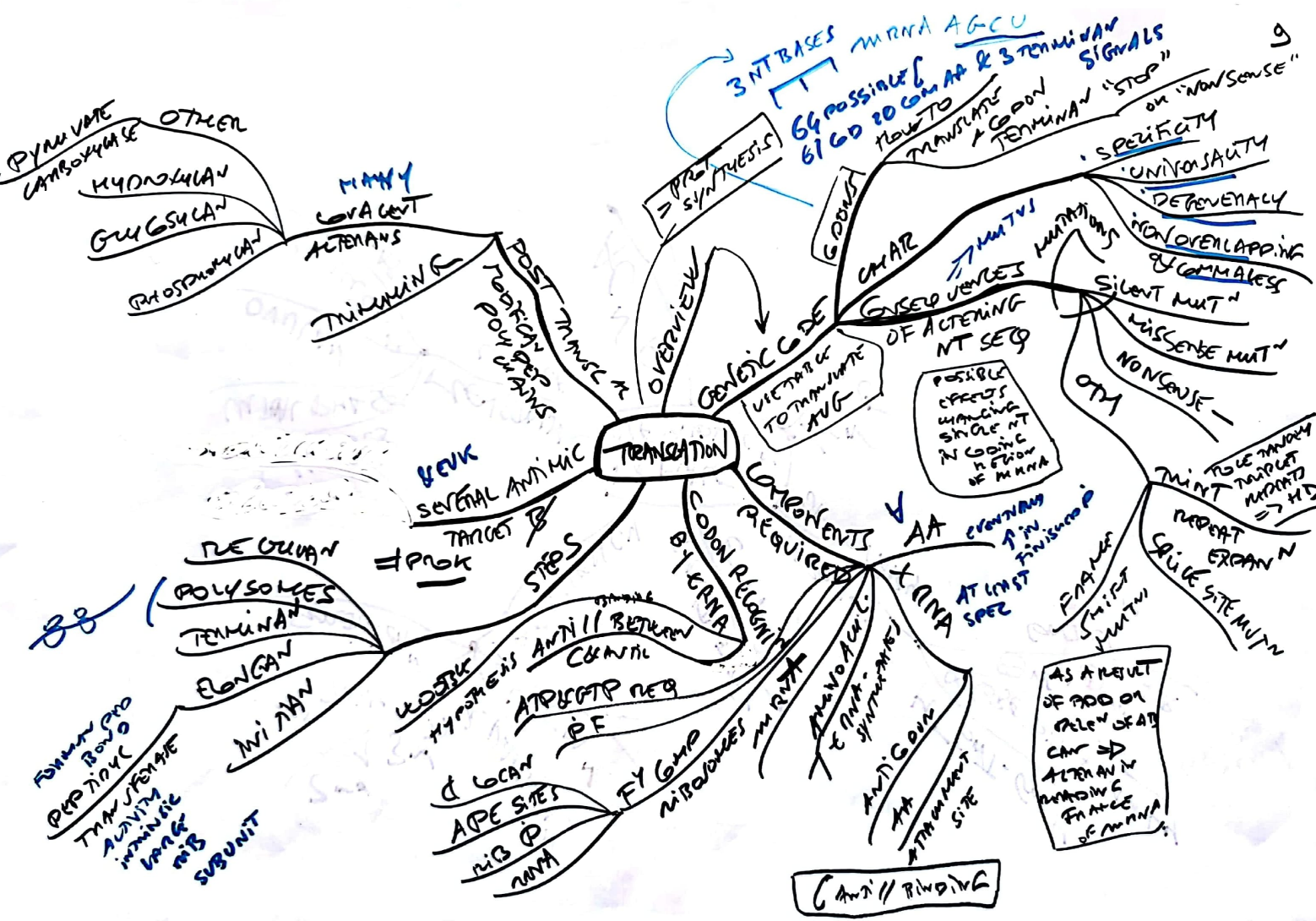
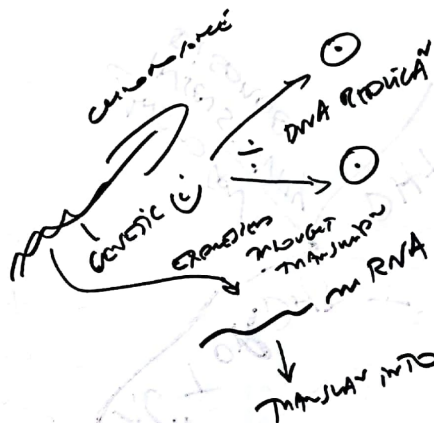
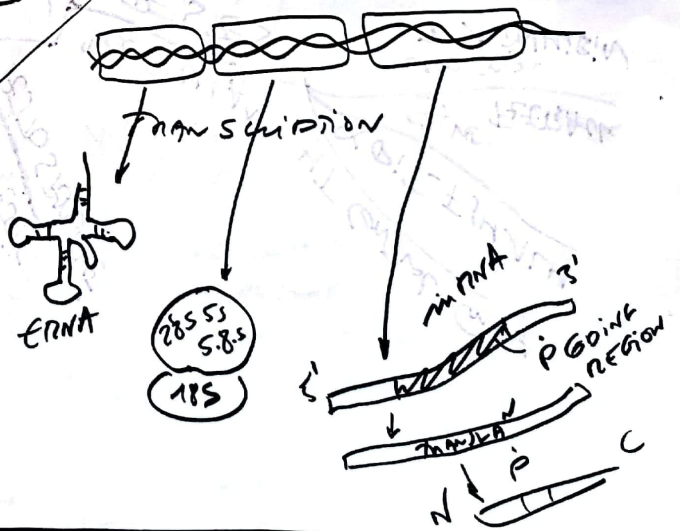
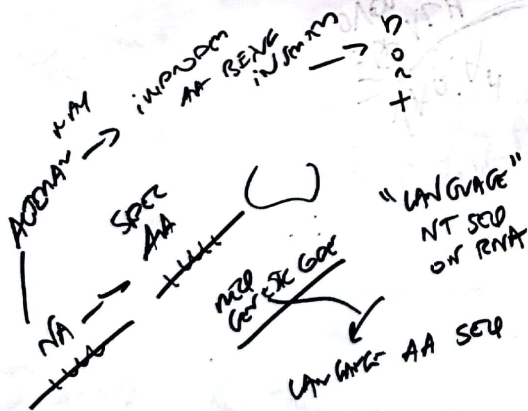


TRANSCRIPTION

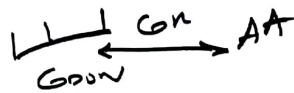




Overview



DICTIONNAIRE



2^{ème} position

5'3' MIDDLE BASE

U C A G

1^{ère} position

	U	C	A	G	
U	Phe Leu	Ser	Tyr Stop	Cys Stop Trp	U C A G
C	Leu	Pro	His Gln	Arg	U C A G
A	Ile Met	Thr	Asn Lys	Ser Arg	U C A G
G	Val	Ala	Asn Glu	Gly	U C A G

3^{ème} position

③ 4 SEPARATES ROWS END 3' G

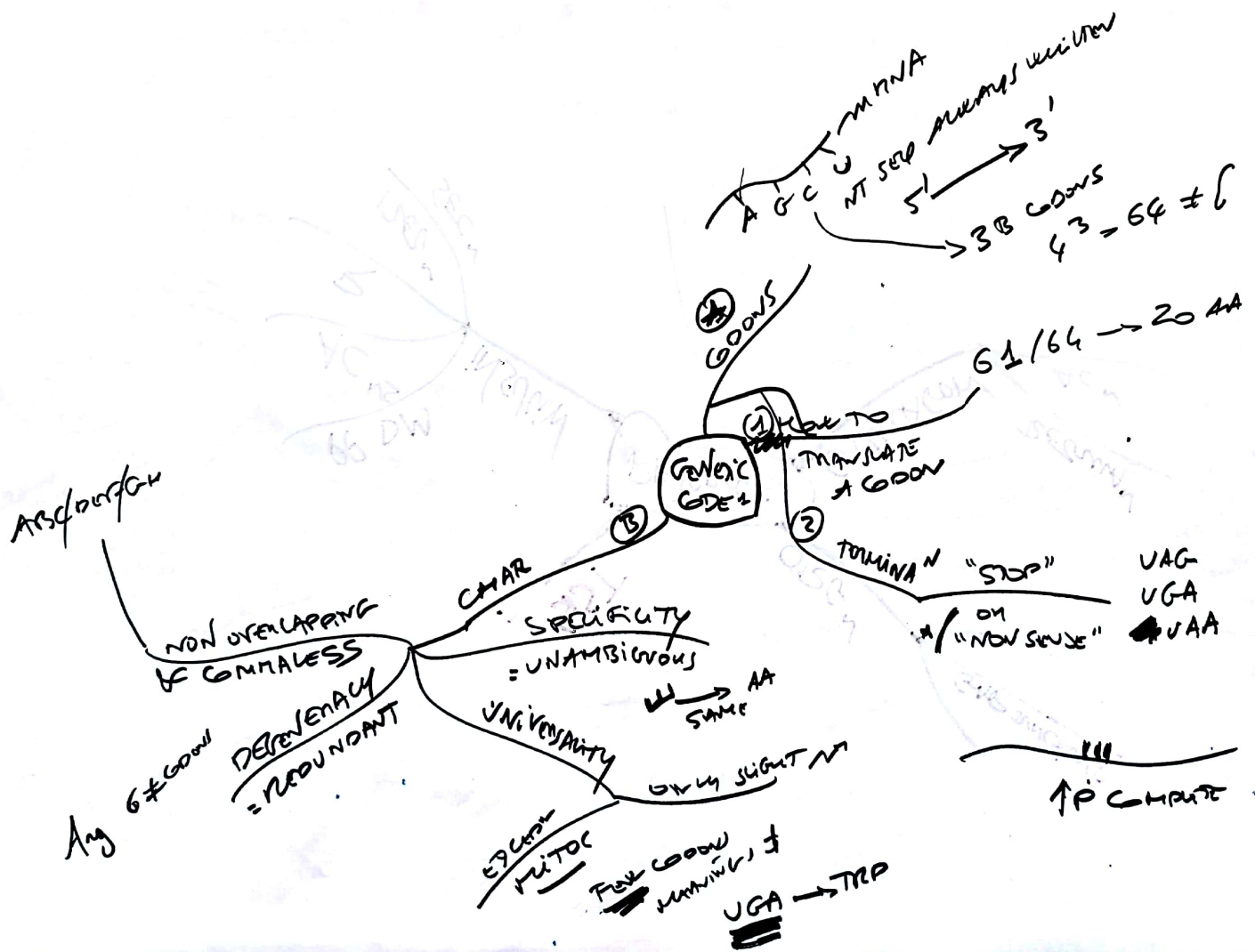
① 4 ROWS SHOW 16 AA WHOSE GON BEGIN (5') WITH

ON EFFET APPARENT
AS SEME LEUVE 5'---3'
AVEC 100 B
ANTI CODON
PAS AUSSI RI GOUVERNE

② Gb MIDDLE U
④ 5'-AUG-3' DESIGNATE MET

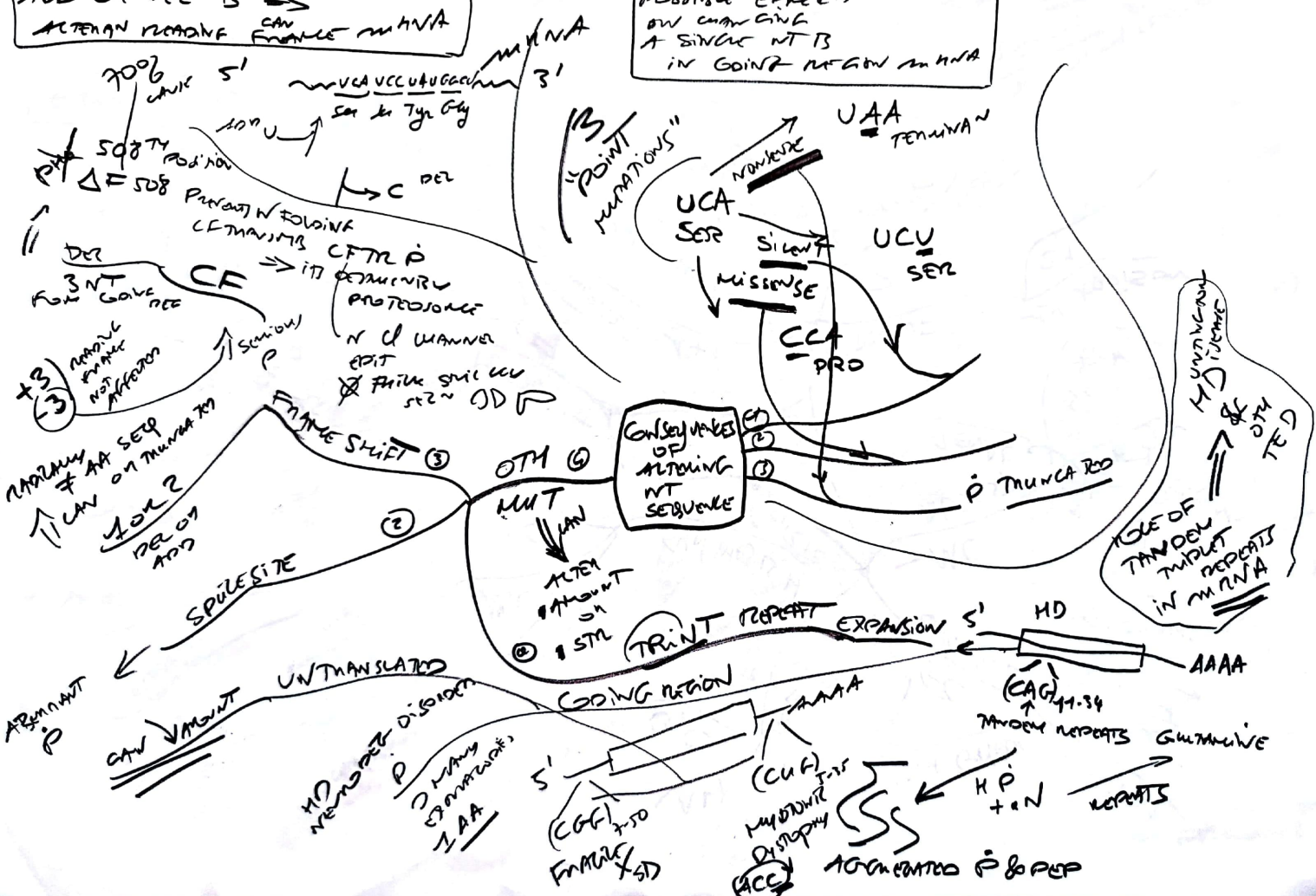
1-3
2-2 WOBLE

64 CODONS
SEULS 20 MOINS
EN PLUSIEURS CODONS
E REVENUS PAR UN MET
ET/OU

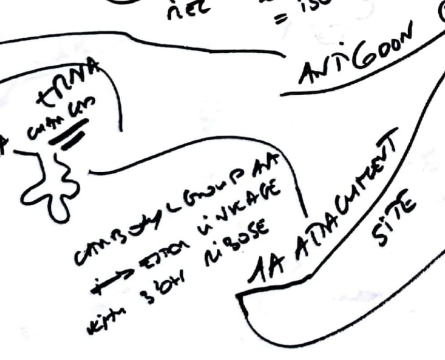
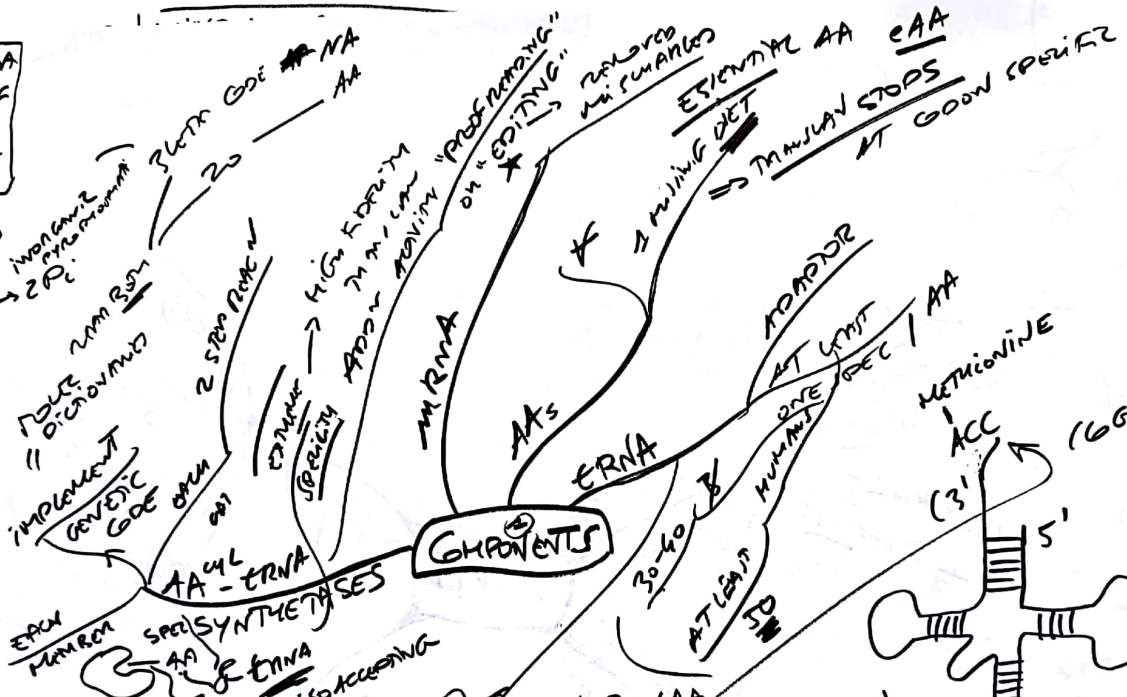
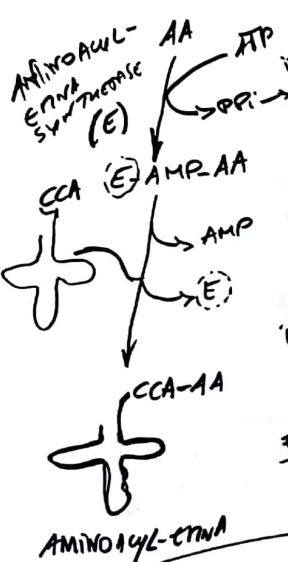


ADD ON DEL B →
 ACERAN REGIONE CAN FRANCE m mNA

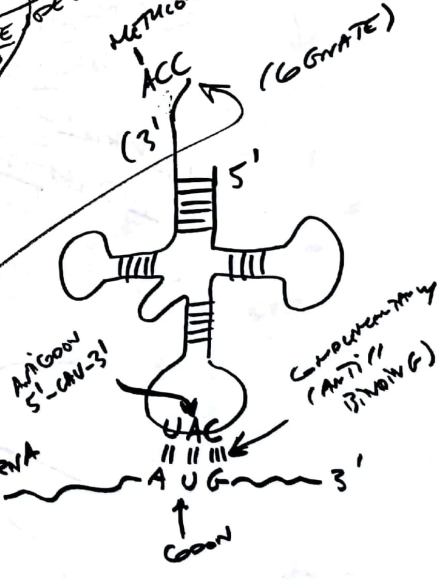
POSSIBLE CAUSE
 ON CHANGING
 A SINGLE NT IS
 IN GOING REGION m mNA



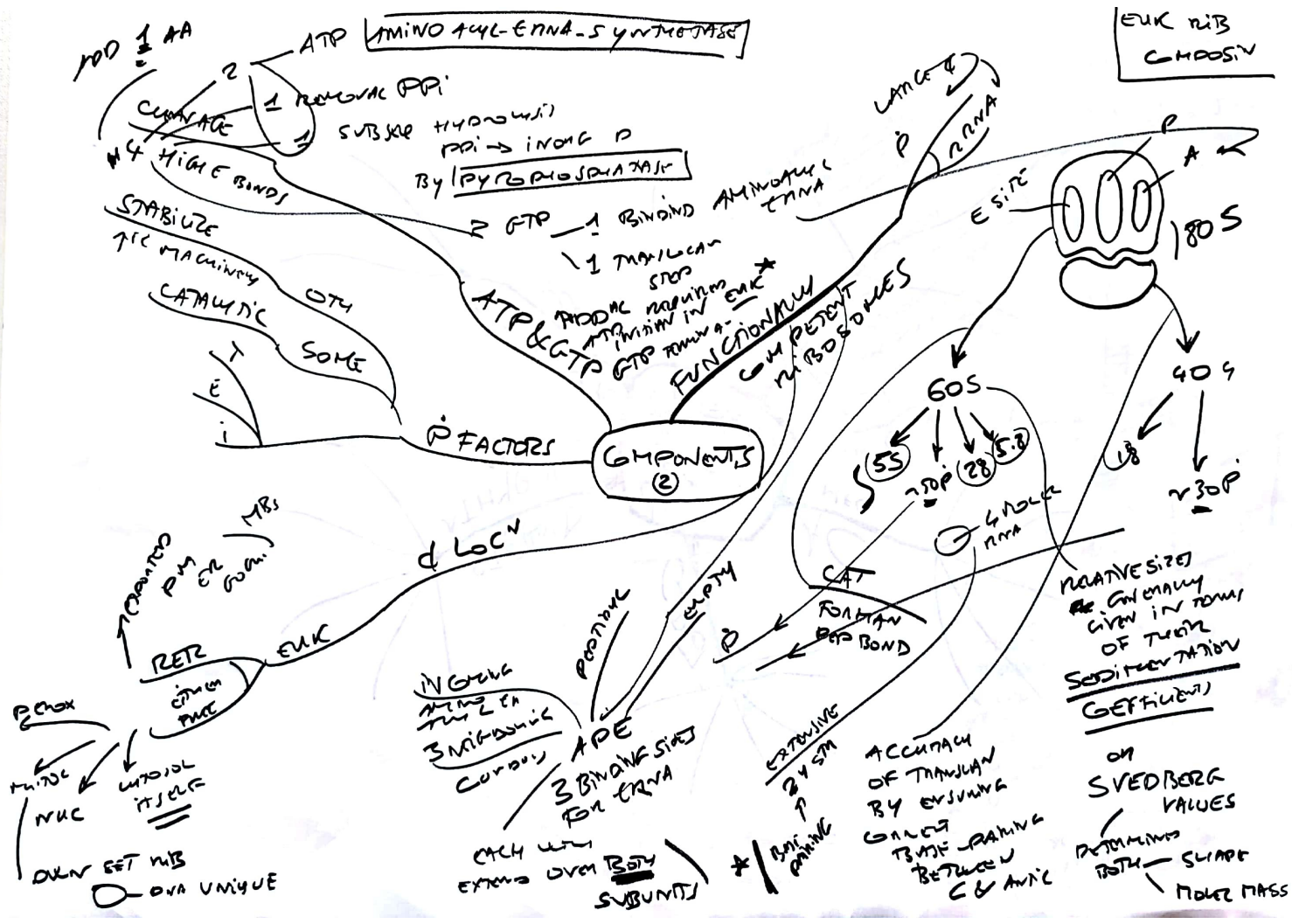
ATTACHMENT SPEC AA TO ITS CORRESPONDING tRNA BY AA^{YL} tRNA SYNTHETASE

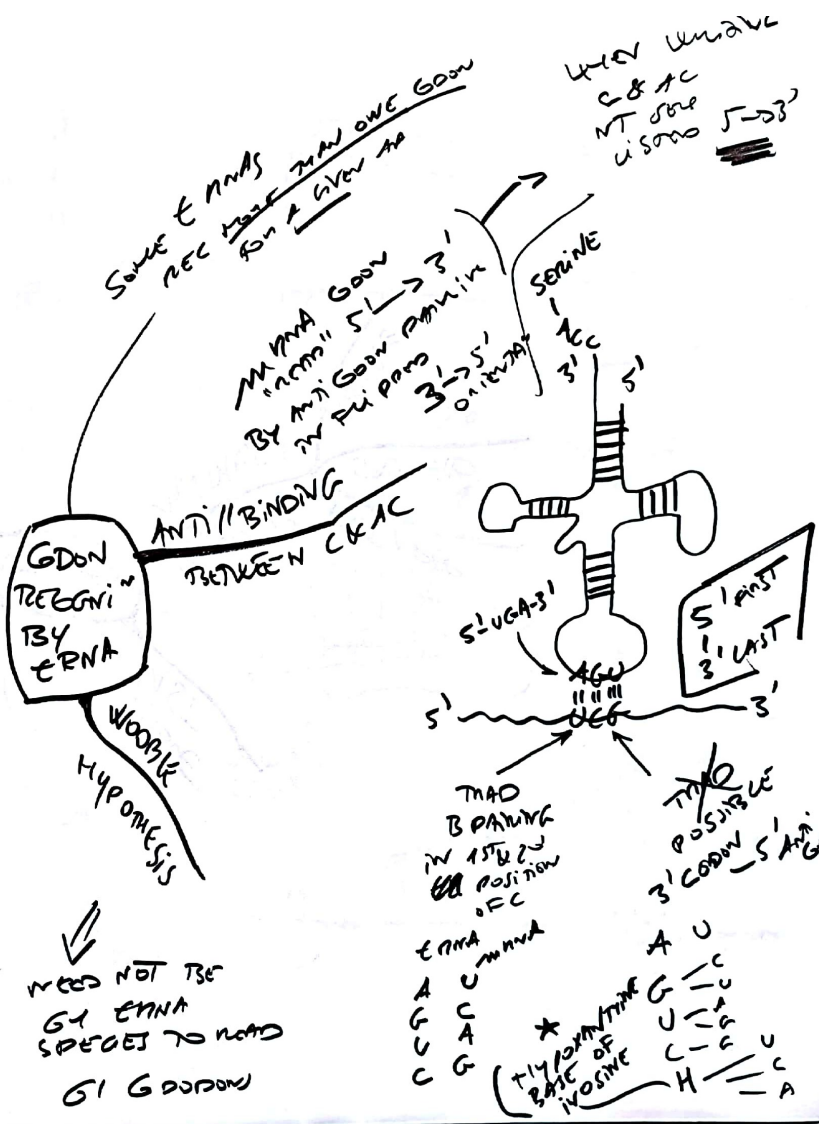


ONLY 20 AA GENETICALLY CAPTURED
 SOME AA HAVE MORE THAN ONE SPEC tRNA PARTICULARLY THOSE AA GOOD FOR BY SEVERAL GOON



TO MAKE GOON FOR MET (AUG) COMPLEX ANTI tRNA BINDING OF ANTICODON FOR METIONYL-tRNA (CAU)





NEED NOT USE
 ALL tRNA
 SPECIES TO READ
 ALL CODONS

4-100 Uridylate
 C & A C
 NT base
 U 5000 5-33

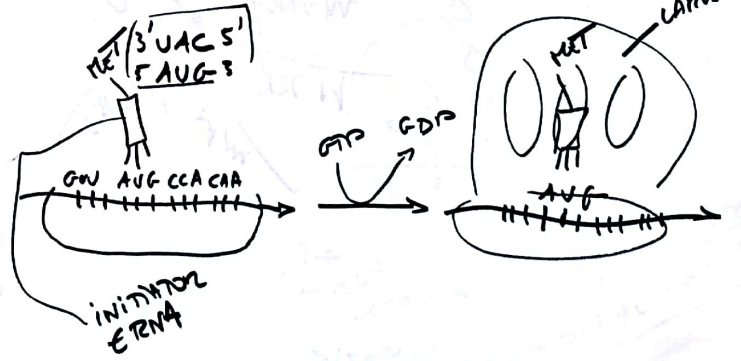
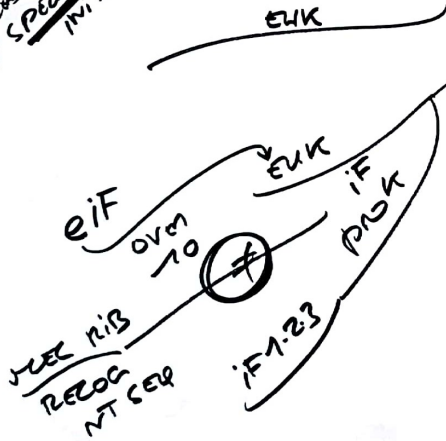
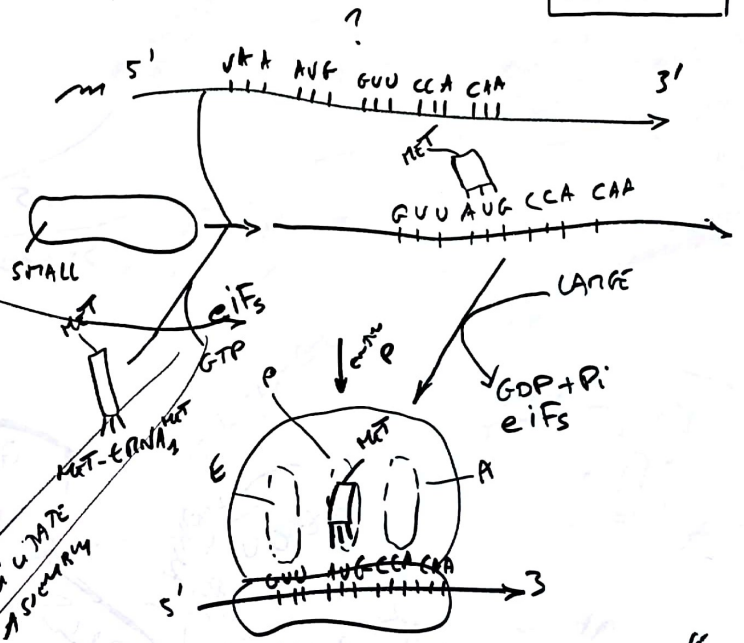
INITIATION

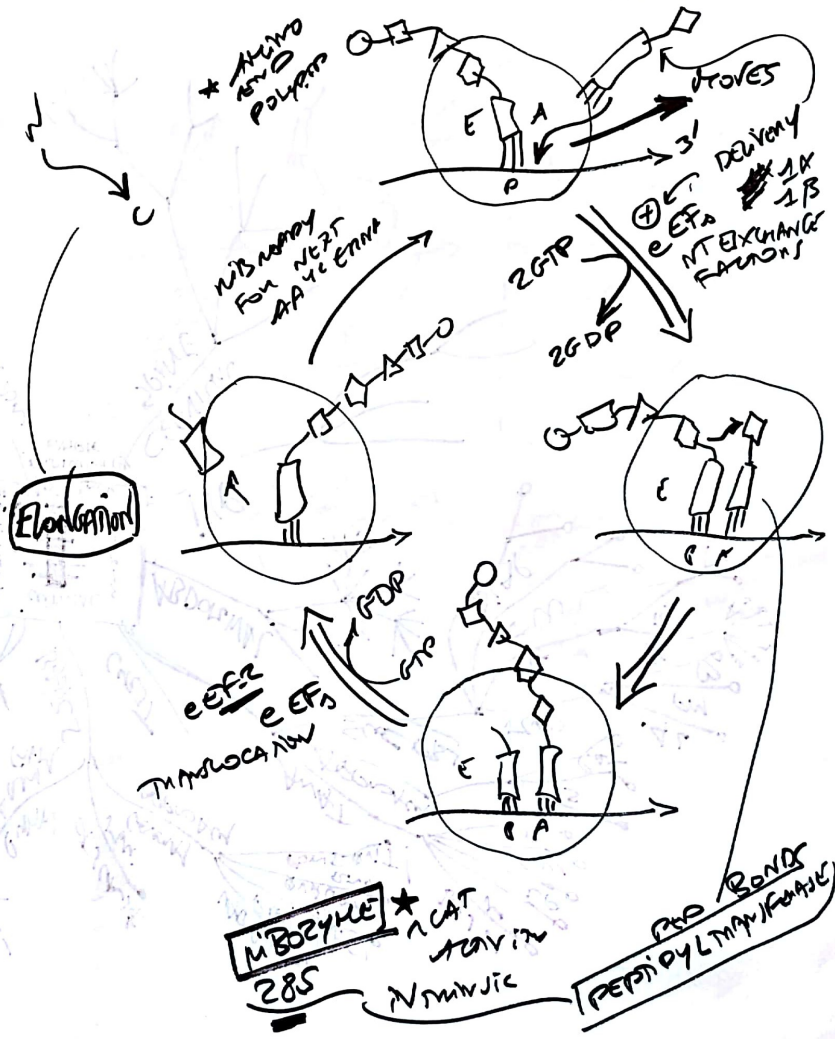
NOTE:

initiator tRNA
is the only tRNA
recognized by eIF?

- and no only
* to go directly
to P site

BY eIFs
facilitated
NEGATIVE
BY SPECIAL
INITIATOR tRNA
AUG

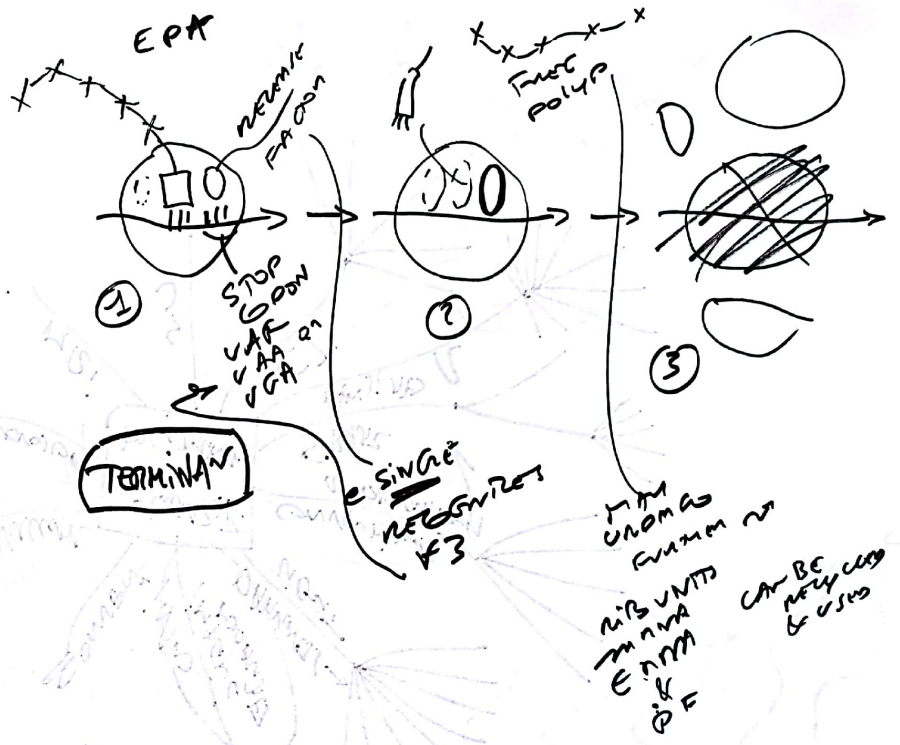


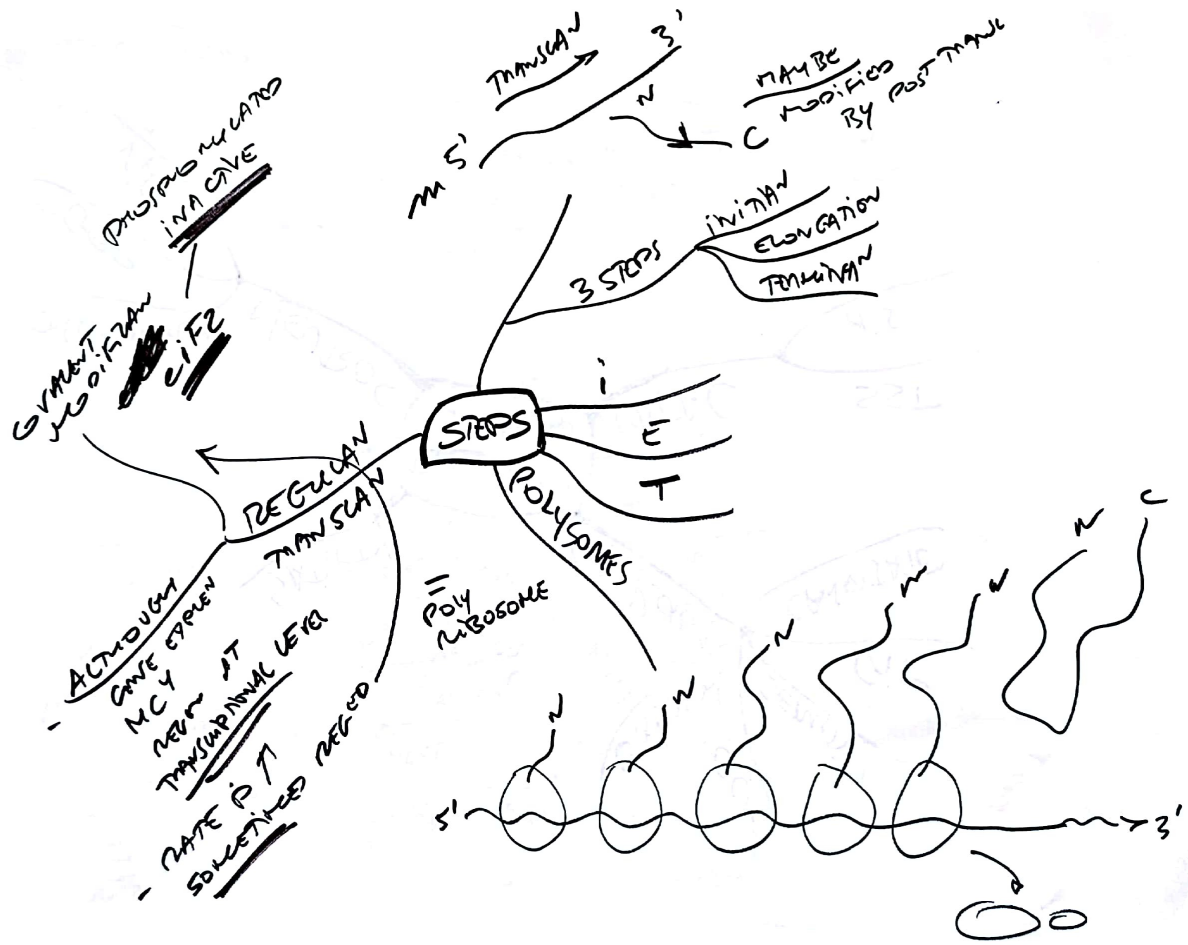


Elongation

RIBOZYME *
28S
Catalyze in nature

PEP BOND
PEPTIDYL TRANSFERASE





② ← P1

STRAPTOMYCIN
 TETRACYCLIN
 CHLORAMPHENICOL

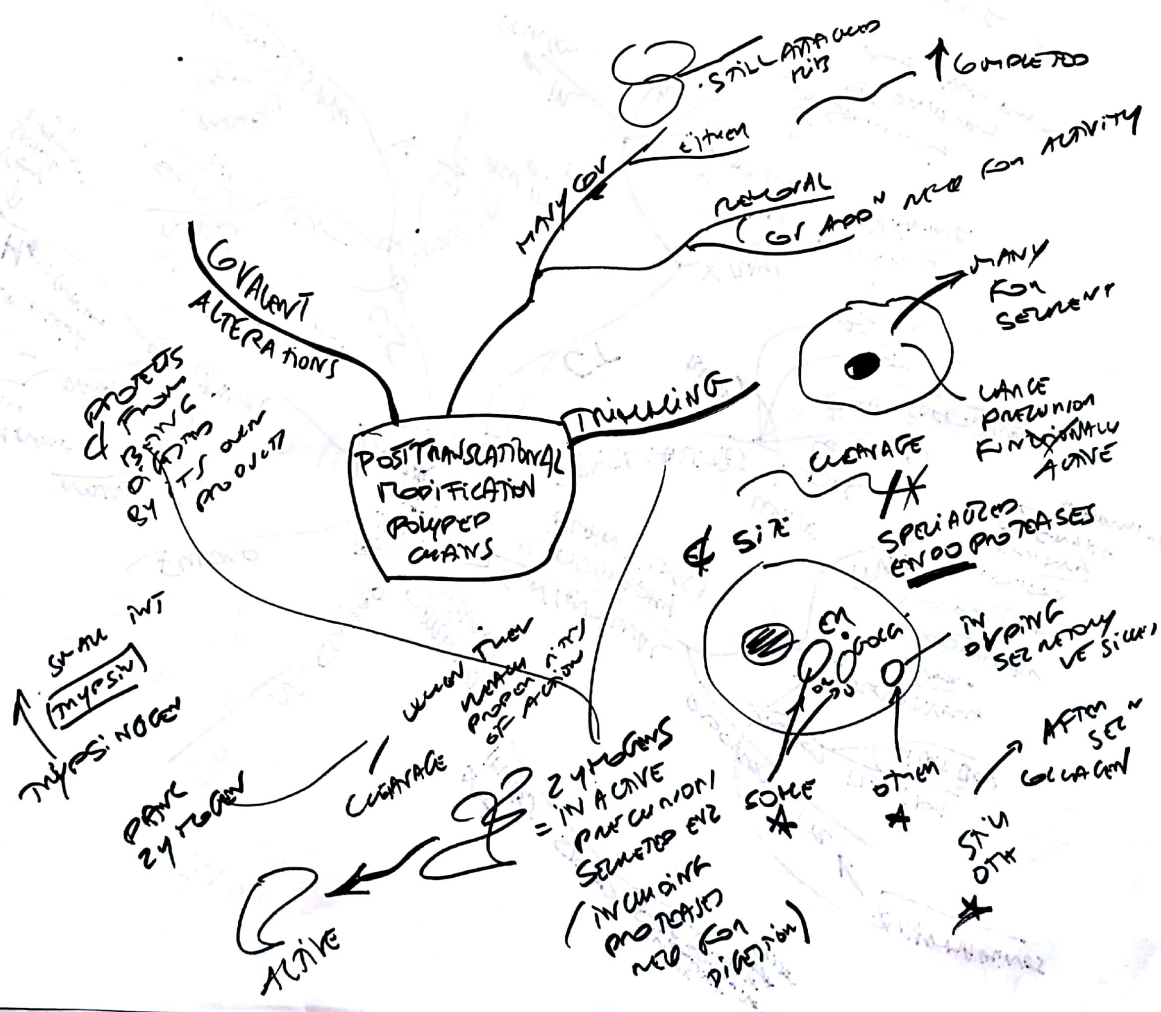
⇒ bind remaining
 30% ⊕ BINDING
 AA YC - ERNAS
 50% ⊕ TRANSLATION

SEVERAL ANTIMIC ANTIBIOT
 TARGET TRANSLATION

MAMY

① ≠ m & e IN INITIATION

<p>INITIATION</p> <p>15 AA</p> <p>iF</p> <p>rib</p>	<p>e</p> <p>CAP AT 5'</p> <p>BINDS TO eIFs</p> <p>60S</p> <p>- MAMMA FOR</p> <p>SCANNING</p> <p>LAST AUG</p> <p>MET</p> <p>eIFs (1900 floor)</p> <p>80S 40+60</p>	<p>m</p> <p>SPEC SER</p> <p>UPSTREAMING</p> <p>OF INITIATION</p> <p>AUG BINDING</p> <p>TO 60S</p> <p>TO 60S</p> <p>FOR MET</p> <p>iF3 (3)</p> <p>80S 30+30</p>
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1
2
3
4
5

COVALENT MODIFICATIONS

