

Hormones

M S U V L O Q G L U C O N E O G E N E S I S E Q
L S E C O N D M E S S E N G E R R R U W H X V Z
J U O F T W F U G Z H P I J H K A H I L L E Y F
F A X P P N J M R U B E N I L A N E R D A N A P
P W X E L U W K H K S E G E J T Y K B N W M H C
E N S I S Y L O N E G O C Y L G X R Y W Q S R W
C Z L Q S L A V O G H V V S Z I T T J C T H E Q
B W B C J M T H J O U L U Z H E A X M C G G G Y
V Y K F B V I E D N A L G G O Q Q Q D B L T N B
T S A X G T P P S V P V W X H A M T L Y U M E B
T W S I O F A F L T W J B B Y I M R C T C I S H
Q R N A J B C P W A O C G K X T Q O I R A Q S E
D T Q A L Z H J R U D S O U L G G F O P G E E C
D S A E R C N A P S V W T K U E O X K Q O B M N
E K H A U A S S Q O C F O E N Z V R X E N R T A
A P G O G L W E Q F E M J E R I N P M D P O S T
W W W W E O W Z E F Q S S H A O B A Q U S G R S
J S A B B P P X J R R I T K U C N X V H E O I I
J G E T E G O E S I S U V R G L I E V P T F F D
R U H F G C X R S U P L X F O J U N S A E W M G
A Q P I R T C R M Q L Y B C O G L G K X B S N N
P I M I D L B F B G K R U N G X E L N K A X W O
M I N Q F P I J C N R I N S U L I N P L I T Y L
L E X G F O C Y S F R P N F F H L T F I D G N U

Second messenger

Glycogenolysis

Glycogenesis

Pancreas

Exocrine

Gluconeogenesis

Long distance

Adrenaline

Diabetes

Insulin

First messenger

Testosterone

Oestrogen

Glucagon

Gland