

| <b>B</b>         | <b>I</b>   | <b>N</b>         | <b>G</b> | <b>O</b>  |
|------------------|------------|------------------|----------|-----------|
| tryptophan       | alanine    | glutamic<br>acid | serine   | leucine   |
| aspartic<br>acid | threonine  | methonine        | arginine | proline   |
| stop             | tyrosine   | <b>FREE</b>      | arginine | histidine |
| isoleucine       | serine     | leucine          | glycine  | lysine    |
| glutamine        | asparagine | phenylalanine    | valine   | cysteine  |

| <b>B</b>         | <b>I</b>      | <b>N</b>    | <b>G</b>         | <b>O</b>  |
|------------------|---------------|-------------|------------------|-----------|
| tyrosine         | arginine      | serine      | aspartic<br>acid | methonine |
| glutamic<br>acid | valine        | leucine     | asparagine       | proline   |
| isoleucine       | arginine      | <b>FREE</b> | histidine        | alanine   |
| glycine          | phenylalanine | tryptophan  | cysteine         | serine    |
| leucine          | lysine        | stop        | threonine        | glutamine |

| <b>B</b>   | <b>I</b>      | <b>N</b>    | <b>G</b>         | <b>O</b>         |
|------------|---------------|-------------|------------------|------------------|
| asparagine | phenylalanine | arginine    | lysine           | arginine         |
| tryptophan | isoleucine    | leucine     | threonine        | leucine          |
| stop       | cysteine      | <b>FREE</b> | serine           | glycine          |
| tyrosine   | proline       | serine      | valine           | glutamic<br>acid |
| histidine  | alanine       | methonine   | aspartic<br>acid | glutamine        |