



|        |    |     |     |     |    |
|--------|----|-----|-----|-----|----|
| Active | 35 | PBL | VD1 | TRD | 1  |
| Active | 35 | PBL | VD1 | TRD | 1  |
| Active | 35 | PBL | VD1 | TRD | 1  |
| Active | 35 | PBL | VD1 | TRD | 1  |
| Active | 35 | PBL | VD1 | TRD | 1  |
| Active | 35 | PBL | VD1 | TRD | 1  |
| Active | 35 | PBL | VD1 | TRD | 1  |
| Active | 35 | PBL | VD1 | TRG | 9  |
| Active | 35 | PBL | VD1 | TRD | 1  |
| Active | 35 | PBL | VD1 | TRG | 9  |
| Active | 35 | PBL | VD1 | TRG | 10 |
| Active | 46 | IEL | VD1 | TRG | 5  |
| Active | 46 | IEL | VD1 | TRG | 5  |
| Active | 46 | IEL | VD1 | TRG | 5  |
| Active | 46 | IEL | VD1 | TRG | 3  |
| Active | 46 | IEL | VD1 | TRG | 3  |
| Active | 46 | IEL | VD1 | TRG | 3  |
| Active | 46 | IEL | VD1 | TRG | 3  |
| Active | 46 | IEL | VD1 | TRG | 3  |
| Active | 46 | IEL | VD1 | TRG | 9  |
| Active | 46 | PBL | VD1 | TRG | 9  |
| Active | 46 | PBL | VD1 | TRG | 5  |
| Active | 46 | PBL | VD1 | TRG | 5  |
| Active | 46 | PBL | VD1 | TRG | 5  |
| Active | 46 | PBL | VD1 | TRG | 4  |
| Active | 46 | IEL | VD1 | TRD | 1  |
| Active | 46 | IEL | VD1 | TRD | 1  |
| Active | 46 | IEL | VD1 | TRD | 1  |
| Active | 46 | IEL | VD1 | TRD | 1  |
| Active | 46 | IEL | VD1 | TRD | 1  |
| Active | 46 | IEL | VD1 | TRD | 1  |
| Active | 46 | IEL | VD1 | TRD | 1  |
| Active | 46 | IEL | VD1 | TRD | 1  |
| Active | 46 | IEL | VD1 | TRD | 1  |
| Active | 46 | IEL | VD1 | TRD | 1  |
| Active | 46 | IEL | VD1 | TRD | 1  |
| Active | 46 | IEL | VD1 | TRD | 1  |
| Active | 46 | IEL | VD1 | TRD | 1  |
| Active | 46 | IEL | VD1 | TRD | 1  |
| Active | 46 | PBL | VD1 | TRD | 1  |
| Active | 46 | PBL | VD1 | TRD | 1  |
| Active | 46 | PBL | VD1 | TRD | 1  |
| Active | 46 | PBL | VD1 | TRD | 1  |
| Active | 46 | PBL | VD1 | TRD | 1  |
| Active | 46 | PBL | VD1 | TRD | 1  |
| Active | 46 | PBL | VD1 | TRD | 1  |
| Active | 46 | PBL | VD1 | TRD | 1  |
| Active | 46 | PBL | VD1 | TRD | 1  |
| Active | 46 | PBL | VD1 | TRD | 1  |
| Active | 46 | PBL | VD1 | TRG | 2  |
| Active | 46 | PBL | VD1 | TRD | 1  |
| Active | 46 | PBL | VD1 | TRD | 1  |
| Active | 46 | PBL | VD1 | TRG | 5  |
| Active | 46 | PBL | VD1 | TRG | 5  |
| Active | 46 | PBL | VD1 | TRG | 10 |
| Active | 46 | PBL | VD1 | TRG | 10 |
| Active | 47 | IEL | VD1 | TRG | 9  |
| Active | 47 | IEL | VD1 | TRG | 9  |
| Active | 47 | IEL | VD1 | TRG | 8  |
| Active | 47 | IEL | VD1 | TRG | 8  |
| Active | 47 | IEL | VD1 | TRG | 4  |
| Active | 47 | IEL | VD1 | TRG | 9  |
| Active | 47 | IEL | VD1 | TRG | 8  |
| Active | 47 | IEL | VD1 | TRG | 8  |

|        |    |     |     |     |   |
|--------|----|-----|-----|-----|---|
| Active | 47 | IEL | VD1 | TRG | 8 |
| Active | 47 | IEL | VD1 | TRG | 4 |
| Active | 47 | IEL | VD1 | TRG | 4 |
| Active | 47 | IEL | VD1 | TRG | 8 |
| Active | 47 | IEL | VD1 | TRG | 8 |
| Active | 47 | PBL | VD1 | TRG | 4 |
| Active | 47 | PBL | VD1 | TRG | 4 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | PBL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | IEL | VD1 | TRD | 1 |
| Active | 47 | PBL | VD1 | TRD | 1 |
| Active | 47 | PBL | VD1 | TRD | 1 |
| Active | 47 | PBL | VD1 | TRG | 4 |
| Active | 47 | PBL | VD1 | TRG | 2 |
| Active | 51 | IEL | VD1 | TRG | 9 |
| Active | 51 | IEL | VD1 | TRG | 5 |
| Active | 51 | IEL | VD1 | TRG | 4 |
| Active | 51 | IEL | VD1 | TRG | 4 |
| Active | 51 | IEL | VD1 | TRG | 4 |
| Active | 51 | IEL | VD1 | TRG | 4 |
| Active | 51 | IEL | VD1 | TRG | 4 |
| Active | 51 | IEL | VD1 | TRG | 4 |
| Active | 51 | IEL | VD1 | TRG | 4 |
| Active | 51 | IEL | VD1 | TRG | 3 |
| Active | 51 | IEL | VD1 | TRG | 3 |
| Active | 51 | IEL | VD1 | TRG | 3 |
| Active | 51 | IEL | VD1 | TRG | 3 |
| Active | 51 | IEL | VD1 | TRG | 2 |
| Active | 51 | IEL | VD1 | TRG | 2 |
| Active | 51 | IEL | VD1 | TRG | 2 |
| Active | 51 | IEL | VD1 | TRG | 2 |
| Active | 51 | IEL | VD1 | TRG | 2 |





|        |     |     |     |     |            |
|--------|-----|-----|-----|-----|------------|
| Active | 81  | PBL | VD1 | TRG | 9          |
| Active | 81  | PBL | VD1 | TRG | 9          |
| Active | 81  | IEL | VD1 | TRD | 1          |
| Active | 81  | IEL | VD1 | TRD | 1          |
| Active | 81  | IEL | VD1 | TRD | 1          |
| Active | 81  | IEL | VD1 | TRD | 1          |
| Active | 81  | IEL | VD1 | TRD | 1          |
| Active | 81  | PBL | VD1 | TRD | 1          |
| Active | 81  | PBL | VD1 | TRD | 1          |
| Active | 81  | PBL | VD1 | TRD | 1          |
| Active | 81  | PBL | VD1 | TRD | 1          |
| Active | 81  | PBL | VD1 | TRG | 2          |
| Active | 81  | PBL | VD1 | TRG | 2          |
| Active | 112 | IEL | VD1 | TRG | 10         |
| Active | 112 | IEL | VD1 | TRG | 10         |
| Active | 112 | IEL | VD1 | TRG | 9          |
| Active | 112 | IEL | VD1 | TRG | 9          |
| Active | 112 | IEL | VD1 | TRG | 5          |
| Active | 112 | IEL | VD1 | TRG | 5          |
| Active | 112 | IEL | VD1 | TRG | 4          |
| Active | 112 | IEL | VD1 | TRG | 4          |
| Active | 112 | IEL | VD1 | TRG | 4          |
| Active | 112 | IEL | VD1 | TRG | 4          |
| Active | 112 | IEL | VD1 | TRG | 4          |
| Active | 112 | IEL | VD1 | TRG | 4          |
| Active | 112 | IEL | VD1 | TRG | 4          |
| Active | 112 | IEL | VD1 | TRG | 3          |
| Active | 112 | IEL | VD1 | TRG | 3          |
| Active | 112 | IEL | VD1 | TRG | 3          |
| Active | 112 | IEL | VD1 | TRG | 3          |
| Active | 112 | IEL | VD1 | TRG | 3          |
| Active | 112 | IEL | VD1 | TRG | 3          |
| Active | 112 | IEL | VD1 | TRG | 2          |
| Active | 112 | IEL | VD1 | TRG | 4          |
| Active | 112 | IEL | VD1 | TRG | 3          |
| Active | 112 | IEL | VD1 | TRG | 10         |
| Active | 112 | IEL | VD1 | TRG | 10         |
| Active | 112 | IEL | VD1 | TRG | 9          |
| Active | 112 | IEL | VD1 | TRG | 8          |
| Active | 112 | IEL | VD1 | TRG | 8          |
| Active | 112 | IEL | VD1 | TRG | 5          |
| Active | 112 | IEL | VD1 | TRG | 5          |
| Active | 112 | IEL | VD1 | TRG | 4          |
| Active | 112 | IEL | VD1 | TRG | 4          |
| Active | 112 | IEL | VD1 | TRG | 4          |
| Active | 112 | IEL | VD1 | TRG | 4          |
| Active | 112 | IEL | VD1 | TRG | 2          |
| Active | 112 | IEL | VD1 | TRD | TRAV29/DV5 |
| Active | 112 | IEL | VD1 | TRD | TRAV29/DV5 |
| Active | 112 | PBL | VD1 | TRG | 9          |
| Active | 112 | PBL | VD1 | TRG | 9          |
| Active | 112 | PBL | VD1 | TRG | 9          |
| Active | 112 | PBL | VD1 | TRG | 8          |
| Active | 112 | PBL | VD1 | TRG | 3          |
| Active | 112 | PBL | VD1 | TRG | 2          |
| Active | 112 | PBL | VD1 | TRG | 2          |
| Active | 112 | IEL | VD1 | TRD | 1          |
| Active | 112 | IEL | VD1 | TRD | 1          |
| Active | 112 | IEL | VD1 | TRD | 1          |
| Active | 112 | IEL | VD1 | TRD | 1          |
| Active | 112 | IEL | VD1 | TRD | 1          |







|         |     |     |     |     |   |
|---------|-----|-----|-----|-----|---|
| Active  | 143 | IEL | VD1 | TRD | 1 |
| Active  | 143 | IEL | VD1 | TRD | 1 |
| Active  | 143 | IEL | VD1 | TRD | 1 |
| Active  | 143 | IEL | VD1 | TRD | 1 |
| Active  | 143 | IEL | VD1 | TRD | 1 |
| Active  | 143 | IEL | VD1 | TRD | 1 |
| Active  | 143 | IEL | VD1 | TRD | 1 |
| Active  | 143 | IEL | VD1 | TRD | 1 |
| Active  | 143 | IEL | VD1 | TRD | 1 |
| Active  | 143 | IEL | VD1 | TRD | 1 |
| Active  | 143 | IEL | VD1 | TRD | 1 |
| Active  | 143 | IEL | VD1 | TRD | 1 |
| Active  | 143 | IEL | VD1 | TRD | 1 |
| Active  | 143 | IEL | VD1 | TRD | 1 |
| Active  | 143 | IEL | VD1 | TRD | 1 |
| Active  | 143 | IEL | VD1 | TRD | 1 |
| Active  | 143 | PBL | VD1 | TRD | 1 |
| Active  | 143 | PBL | VD1 | TRD | 1 |
| Active  | 143 | PBL | VD1 | TRD | 1 |
| Active  | 143 | PBL | VD1 | TRD | 1 |
| Active  | 143 | PBL | VD1 | TRD | 1 |
| Active  | 143 | PBL | VD1 | TRD | 1 |
| Active  | 143 | PBL | VD1 | TRD | 1 |
| Active  | 143 | PBL | VD1 | TRD | 1 |
| Active  | 143 | PBL | VD1 | TRD | 1 |
| Active  | 143 | PBL | VD1 | TRD | 1 |
| Active  | 143 | PBL | VD1 | TRD | 1 |
| Active  | 143 | PBL | VD1 | TRG | 5 |
| Active  | 143 | PBL | VD1 | TRD | 2 |
| Active  | 143 | IEL | VD1 | TRD | 1 |
| Active  | 143 | PBL | VD1 | TRG | 8 |
| Control | 7   | PBL | VD1 | TRG | 9 |
| Control | 7   | PBL | VD1 | TRG | 9 |
| Control | 7   | PBL | VD1 | TRD | 2 |
| Control | 7   | IEL | VD1 | TRD | 1 |
| Control | 7   | IEL | VD1 | TRD | 1 |
| Control | 7   | IEL | VD1 | TRD | 1 |
| Control | 7   | IEL | VD1 | TRD | 1 |
| Control | 7   | IEL | VD1 | TRD | 1 |
| Control | 7   | IEL | VD1 | TRD | 1 |
| Control | 7   | IEL | VD1 | TRD | 1 |
| Control | 7   | IEL | VD1 | TRD | 1 |
| Control | 7   | IEL | VD1 | TRD | 1 |
| Control | 7   | IEL | VD1 | TRD | 1 |
| Control | 7   | IEL | VD1 | TRD | 1 |
| Control | 7   | IEL | VD1 | TRD | 1 |
| Control | 7   | IEL | VD1 | TRD | 1 |
| Control | 7   | IEL | VD1 | TRD | 1 |
| Control | 7   | IEL | VD1 | TRD | 1 |
| Control | 7   | IEL | VD1 | TRD | 1 |
| Control | 7   | PBL | VD1 | TRD | 1 |
| Control | 7   | PBL | VD1 | TRD | 1 |
| Control | 7   | PBL | VD1 | TRD | 1 |
| Control | 7   | PBL | VD1 | TRD | 1 |
| Control | 7   | PBL | VD1 | TRD | 1 |
| Control | 7   | PBL | VD1 | TRD | 1 |
| Control | 7   | PBL | VD1 | TRD | 1 |
| Control | 7   | PBL | VD1 | TRD | 1 |
| Control | 7   | PBL | VD1 | TRG | 9 |
| Control | 7   | PBL | VD1 | TRG | 9 |
| Control | 7   | IEL | VD1 | TRG | 4 |
| Control | 7   | IEL | VD1 | TRG | 4 |
| Control | 13  | PBL | VD1 | TRG | 9 |
| Control | 13  | PBL | VD1 | TRG | 9 |
| Control | 13  | PBL | VD1 | TRG | 9 |









|         |     |     |     |     |    |
|---------|-----|-----|-----|-----|----|
| Control | 110 | PBL | VD1 | TRD | 1  |
| Control | 110 | PBL | VD1 | TRD | 1  |
| Control | 110 | PBL | VD1 | TRD | 1  |
| Control | 110 | PBL | VD1 | TRD | 1  |
| Control | 110 | PBL | VD1 | TRD | 1  |
| Control | 110 | PBL | VD1 | TRD | 1  |
| Control | 110 | PBL | VD1 | TRD | 1  |
| Control | 110 | PBL | VD1 | TRD | 1  |
| Control | 110 | PBL | VD1 | TRD | 1  |
| Control | 110 | PBL | VD1 | TRD | 1  |
| Control | 110 | PBL | VD1 | TRG | 3  |
| Control | 110 | PBL | VD1 | TRG | 10 |
| Control | 110 | PBL | VD1 | TRG | 4  |
| Control | 110 | PBL | VD1 | TRG | 9  |
| Control | 110 | PBL | VD1 | TRG | 8  |
| Control | 110 | PBL | VD1 | TRG | 8  |
| Control | 111 | IEL | VD1 | TRG | 9  |
| Control | 111 | IEL | VD1 | TRG | 2  |
| Control | 111 | IEL | VD1 | TRG | 4  |
| Control | 111 | IEL | VD1 | TRG | 8  |
| Control | 111 | IEL | VD1 | TRG | 5  |
| Control | 111 | IEL | VD1 | TRG | 9  |
| Control | 111 | IEL | VD1 | TRG | 9  |
| Control | 111 | IEL | VD1 | TRG | 10 |
| Control | 111 | IEL | VD1 | TRG | 8  |
| Control | 111 | PBL | VD1 | TRG | 9  |
| Control | 111 | PBL | VD1 | TRG | 5  |
| Control | 111 | PBL | VD1 | TRG | 4  |
| Control | 111 | IEL | VD1 | TRD | 1  |
| Control | 111 | IEL | VD1 | TRD | 1  |
| Control | 111 | IEL | VD1 | TRD | 1  |
| Control | 111 | IEL | VD1 | TRD | 1  |
| Control | 111 | IEL | VD1 | TRD | 1  |
| Control | 111 | IEL | VD1 | TRD | 1  |
| Control | 111 | IEL | VD1 | TRD | 1  |
| Control | 111 | IEL | VD1 | TRD | 1  |
| Control | 111 | IEL | VD1 | TRD | 1  |
| Control | 111 | IEL | VD1 | TRD | 1  |
| Control | 111 | PBL | VD1 | TRD | 1  |
| Control | 111 | PBL | VD1 | TRD | 1  |
| Control | 111 | PBL | VD1 | TRD | 1  |
| Control | 111 | PBL | VD1 | TRD | 1  |
| Control | 111 | PBL | VD1 | TRD | 1  |
| Control | 111 | PBL | VD1 | TRD | 1  |
| Control | 111 | PBL | VD1 | TRD | 1  |
| Control | 111 | PBL | VD1 | TRD | 1  |
| Control | 111 | PBL | VD1 | TRD | 1  |
| Control | 111 | PBL | VD1 | TRG | 4  |
| Control | 111 | PBL | VD1 | TRG | 3  |
| Control | 111 | PBL | VD1 | TRG | 5  |
| Control | 111 | PBL | VD1 | TRG | 3  |
| Control | 111 | PBL | VD1 | TRG | 9  |
| Control | 111 | PBL | VD1 | TRG | 9  |
| Control | 111 | PBL | VD1 | TRG | 10 |
| Control | 144 | IEL | VD1 | TRG | 9  |
| Control | 144 | IEL | VD1 | TRG | 9  |
| Control | 144 | IEL | VD1 | TRG | 9  |
| Control | 144 | IEL | VD1 | TRG | 9  |
| Control | 144 | IEL | VD1 | TRG | 8  |
| Control | 144 | IEL | VD1 | TRG | 4  |









|     |   |     |     |     |    |
|-----|---|-----|-----|-----|----|
| GFD | 3 | PBL | VD1 | TRG | 9  |
| GFD | 3 | IEL | VD1 | TRD | 1  |
| GFD | 3 | PBL | VD1 | TRG | 9  |
| GFD | 3 | PBL | VD1 | TRG | 9  |
| GFD | 3 | PBL | VD1 | TRG | 8  |
| GFD | 3 | PBL | VD1 | TRG | 9  |
| GFD | 3 | PBL | VD1 | TRG | 9  |
| GFD | 3 | PBL | VD1 | TRG | 2  |
| GFD | 3 | IEL | VD1 | TRG | 10 |
| GFD | 3 | IEL | VD1 | TRG | 9  |
| GFD | 3 | IEL | VD1 | TRG | 9  |
| GFD | 3 | IEL | VD1 | TRG | 9  |
| GFD | 3 | IEL | VD1 | TRG | 9  |
| GFD | 3 | IEL | VD1 | TRG | 9  |
| GFD | 3 | IEL | VD1 | TRG | 9  |
| GFD | 3 | IEL | VD1 | TRG | 8  |
| GFD | 3 | IEL | VD1 | TRG | 5  |
| GFD | 3 | IEL | VD1 | TRG | 4  |
| GFD | 3 | IEL | VD1 | TRG | 3  |
| GFD | 3 | IEL | VD1 | TRG | 3  |
| GFD | 3 | IEL | VD1 | TRG | 3  |
| GFD | 3 | IEL | VD1 | TRG | 3  |
| GFD | 3 | IEL | VD1 | TRG | 3  |
| GFD | 3 | IEL | VD1 | TRG | 2  |
| GFD | 3 | IEL | VD1 | TRG | 2  |
| GFD | 3 | IEL | VD1 | TRG | 2  |
| GFD | 3 | IEL | VD1 | TRG | 2  |
| GFD | 3 | IEL | VD1 | TRG | 2  |
| GFD | 3 | IEL | VD1 | TRG | 2  |
| GFD | 3 | IEL | VD1 | TRG | 2  |
| GFD | 3 | IEL | VD1 | TRG | 9  |
| GFD | 3 | IEL | VD1 | TRG | 3  |
| GFD | 3 | IEL | VD1 | TRG | 3  |
| GFD | 3 | IEL | VD1 | TRG | 3  |
| GFD | 3 | IEL | VD1 | TRG | 3  |
| GFD | 3 | IEL | VD1 | TRG | 2  |
| GFD | 3 | IEL | VD1 | TRG | 9  |
| GFD | 3 | IEL | VD1 | TRG | 3  |
| GFD | 3 | IEL | VD1 | TRG | 3  |
| GFD | 3 | IEL | VD1 | TRG | 3  |
| GFD | 3 | IEL | VD1 | TRG | 9  |
| GFD | 3 | IEL | VD1 | TRG | 3  |
| GFD | 3 | IEL | VD1 | TRG | 9  |
| GFD | 3 | IEL | VD1 | TRG | 8  |
| GFD | 3 | IEL | VD1 | TRG | 3  |
| GFD | 3 | IEL | VD1 | TRG | 9  |
| GFD | 3 | IEL | VD1 | TRG | 9  |
| GFD | 3 | IEL | VD1 | TRG | 9  |
| GFD | 3 | IEL | VD1 | TRG | 8  |
| GFD | 3 | IEL | VD1 | TRG | 4  |
| GFD | 3 | IEL | VD1 | TRG | 3  |
| GFD | 9 | IEL | VD1 | TRD | 3  |
| GFD | 9 | IEL | VD1 | TRD | 3  |
| GFD | 9 | IEL | VD1 | TRD | 1  |
| GFD | 9 | IEL | VD1 | TRD | 1  |
| GFD | 9 | IEL | VD1 | TRD | 1  |
| GFD | 9 | IEL | VD1 | TRD | 1  |
| GFD | 9 | IEL | VD1 | TRD | 1  |





















|        |    |     |         |     |    |
|--------|----|-----|---------|-----|----|
| Active | 46 | IEL | VD1_neg | TRG | 2  |
| Active | 46 | IEL | VD1_neg | TRG | 3  |
| Active | 46 | IEL | VD1_neg | TRG | 10 |
| Active | 46 | IEL | VD1_neg | TRG | 2  |
| Active | 46 | IEL | VD1_neg | TRG | 2  |
| Active | 46 | IEL | VD1_neg | TRG | 3  |
| Active | 46 | IEL | VD1_neg | TRG | 4  |
| Active | 46 | IEL | VD1_neg | TRG | 9  |
| Active | 46 | IEL | VD1_neg | TRG | 5  |
| Active | 46 | IEL | VD1_neg | TRG | 4  |
| Active | 46 | IEL | VD1_neg | TRG | 4  |
| Active | 46 | IEL | VD1_neg | TRG | 4  |
| Active | 46 | IEL | VD1_neg | TRG | 3  |
| Active | 46 | IEL | VD1_neg | TRG | 4  |
| Active | 46 | IEL | VD1_neg | TRG | 2  |
| Active | 46 | IEL | VD1_neg | TRG | 2  |
| Active | 46 | IEL | VD1_neg | TRG | 4  |
| Active | 46 | IEL | VD1_neg | TRG | 4  |
| Active | 46 | IEL | VD1_neg | TRG | 4  |
| Active | 46 | IEL | VD1_neg | TRG | 4  |
| Active | 46 | IEL | VD1_neg | TRG | 3  |
| Active | 46 | IEL | VD1_neg | TRG | 8  |
| Active | 46 | IEL | VD1_neg | TRD | 1  |
| Active | 46 | IEL | VD1_neg | TRD | 1  |
| Active | 46 | IEL | VD1_neg | TRD | 1  |
| Active | 47 | IEL | VD1_neg | TRD | 1  |
| Active | 47 | IEL | VD1_neg | TRD | 1  |
| Active | 47 | IEL | VD1_neg | TRD | 1  |
| Active | 47 | IEL | VD1_neg | TRD | 1  |
| Active | 47 | IEL | VD1_neg | TRD | 1  |
| Active | 47 | IEL | VD1_neg | TRD | 1  |
| Active | 47 | IEL | VD1_neg | TRD | 1  |
| Active | 47 | IEL | VD1_neg | TRD | 1  |
| Active | 47 | IEL | VD1_neg | TRD | 1  |
| Active | 47 | IEL | VD1_neg | TRG | 2  |
| Active | 47 | IEL | VD1_neg | TRG | 9  |
| Active | 47 | IEL | VD1_neg | TRG | 2  |
| Active | 47 | IEL | VD1_neg | TRG | 9  |
| Active | 47 | IEL | VD1_neg | TRG | 9  |
| Active | 47 | IEL | VD1_neg | TRG | 3  |
| Active | 47 | IEL | VD1_neg | TRG | 9  |
| Active | 47 | IEL | VD1_neg | TRG | 9  |
| Active | 47 | IEL | VD1_neg | TRG | 2  |
| Active | 47 | IEL | VD1_neg | TRG | 9  |
| Active | 47 | IEL | VD1_neg | TRG | 9  |
| Active | 47 | IEL | VD1_neg | TRG | 8  |
| Active | 47 | IEL | VD1_neg | TRG | 8  |
| Active | 47 | IEL | VD1_neg | TRG | 8  |
| Active | 47 | IEL | VD1_neg | TRG | 2  |
| Active | 47 | IEL | VD1_neg | TRG | 9  |
| Active | 47 | IEL | VD1_neg | TRG | 9  |
| Active | 47 | IEL | VD1_neg | TRG | 8  |
| Active | 47 | IEL | VD1_neg | TRG | 4  |
| Active | 47 | IEL | VD1_neg | TRG | 2  |
| Active | 47 | IEL | VD1_neg | TRG | 10 |
| Active | 47 | IEL | VD1_neg | TRG | 9  |
| Active | 47 | IEL | VD1_neg | TRG | 4  |
| Active | 47 | IEL | VD1_neg | TRG | 4  |
| Active | 47 | IEL | VD1_neg | TRG | 4  |
| Active | 47 | IEL | VD1_neg | TRG | 4  |
| Active | 47 | IEL | VD1_neg | TRG | 2  |

|        |    |     |         |     |             |
|--------|----|-----|---------|-----|-------------|
| Active | 47 | IEL | VD1_neg | TRG | 4           |
| Active | 47 | IEL | VD1_neg | TRG | 4           |
| Active | 47 | IEL | VD1_neg | TRG | 3           |
| Active | 47 | IEL | VD1_neg | TRG | 3           |
| Active | 47 | IEL | VD1_neg | TRG | 2           |
| Active | 47 | IEL | VD1_neg | TRG | 4           |
| Active | 47 | IEL | VD1_neg | TRG | 9           |
| Active | 81 | IEL | VD1_neg | TRD | TRAV38-2/DV |
| Active | 81 | IEL | VD1_neg | TRD | 2           |
| Active | 81 | IEL | VD1_neg | TRD | TRAV22      |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | 1           |
| Active | 81 | IEL | VD1_neg | TRD | 1           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | TRAV38-2/DV |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | 2           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | TRAV38-2/DV |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | TRAV14/DV4  |
| Active | 81 | IEL | VD1_neg | TRD | TRAV38-2/DV |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | TRAV38-2/DV |
| Active | 81 | IEL | VD1_neg | TRD | 2           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | 1           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | TRAV29/DV5  |
| Active | 81 | IEL | VD1_neg | TRD | 1           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | TRAV29/DV5  |
| Active | 81 | IEL | VD1_neg | TRD | 2           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | TRAV24      |
| Active | 81 | IEL | VD1_neg | TRD | 2           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | TRAV38-2/DV |
| Active | 81 | IEL | VD1_neg | TRD | 2           |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRD | TRAV29/DV5  |
| Active | 81 | IEL | VD1_neg | TRD | 3           |
| Active | 81 | IEL | VD1_neg | TRG | 3           |
| Active | 81 | IEL | VD1_neg | TRG | 9           |

|        |    |     |         |     |            |
|--------|----|-----|---------|-----|------------|
| Active | 81 | IEL | VD1_neg | TRG | 10         |
| Active | 81 | IEL | VD1_neg | TRG | 9          |
| Active | 81 | IEL | VD1_neg | TRG | 9          |
| Active | 81 | IEL | VD1_neg | TRG | 3          |
| Active | 81 | IEL | VD1_neg | TRG | 8          |
| Active | 81 | IEL | VD1_neg | TRG | 2          |
| Active | 81 | IEL | VD1_neg | TRG | 3          |
| Active | 81 | IEL | VD1_neg | TRG | 2          |
| Active | 81 | IEL | VD1_neg | TRG | 4          |
| Active | 81 | IEL | VD1_neg | TRG | 8          |
| Active | 81 | IEL | VD1_neg | TRG | 3          |
| Active | 81 | IEL | VD1_neg | TRG | 8          |
| Active | 81 | IEL | VD1_neg | TRG | 4          |
| Active | 81 | IEL | VD1_neg | TRG | 3          |
| Active | 81 | IEL | VD1_neg | TRG | 8          |
| Active | 81 | IEL | VD1_neg | TRG | 8          |
| Active | 81 | IEL | VD1_neg | TRG | 2          |
| Active | 81 | IEL | VD1_neg | TRG | 2          |
| Active | 81 | IEL | VD1_neg | TRG | 4          |
| Active | 81 | IEL | VD1_neg | TRG | 8          |
| Active | 81 | IEL | VD1_neg | TRG | 8          |
| Active | 81 | IEL | VD1_neg | TRG | 3          |
| Active | 81 | IEL | VD1_neg | TRG | 4          |
| Active | 81 | IEL | VD1_neg | TRG | 8          |
| Active | 81 | IEL | VD1_neg | TRG | 9          |
| Active | 81 | IEL | VD1_neg | TRG | 3          |
| Active | 22 | IEL | VD1_neg | TRG | 2          |
| Active | 22 | IEL | VD1_neg | TRG | 2          |
| Active | 22 | IEL | VD1_neg | TRG | 5          |
| Active | 22 | IEL | VD1_neg | TRG | 9          |
| Active | 22 | IEL | VD1_neg | TRG | 9          |
| Active | 22 | IEL | VD1_neg | TRG | 8          |
| Active | 22 | IEL | VD1_neg | TRG | 8          |
| Active | 22 | IEL | VD1_neg | TRG | 9          |
| Active | 22 | IEL | VD1_neg | TRG | 2          |
| Active | 22 | IEL | VD1_neg | TRG | 9          |
| Active | 22 | IEL | VD1_neg | TRG | 5          |
| Active | 22 | IEL | VD1_neg | TRG | 5          |
| Active | 22 | IEL | VD1_neg | TRG | 9          |
| Active | 22 | IEL | VD1_neg | TRD | 1          |
| Active | 22 | IEL | VD1_neg | TRD | 3          |
| Active | 22 | IEL | VD1_neg | TRD | 3          |
| Active | 22 | IEL | VD1_neg | TRD | 3          |
| Active | 22 | IEL | VD1_neg | TRD | 3          |
| Active | 22 | IEL | VD1_neg | TRD | 3          |
| Active | 22 | IEL | VD1_neg | TRD | 3          |
| Active | 22 | IEL | VD1_neg | TRD | TRAV29/DV5 |
| Active | 22 | IEL | VD1_neg | TRD | 3          |
| Active | 22 | IEL | VD1_neg | TRD | 3          |
| Active | 22 | IEL | VD1_neg | TRD | 1          |
| Active | 22 | IEL | VD1_neg | TRD | 3          |
| Active | 22 | IEL | VD1_neg | TRD | 2          |
| Active | 22 | IEL | VD1_neg | TRD | TRAV29/DV5 |

CDR3 TRJ  
CATWDRLP 1  
CATWDGLP 1  
CATWDRPP 1  
CATRDRLP 1  
CATWDSGN 2  
CAYIEGDAD 1  
CAYREGEAC 1  
CALWEVRY 1  
CATWDGPN 1  
CALGDAFPL 1  
CALGNPPTL 1  
CALGESTIRC 1  
CALGVPPFRQ 1  
CALGDLPPS 1  
CALGTSIPH 1  
CALGERKLG 1  
CALGDAFPL 1  
CALGDAFPM 1  
CALGDASPL 1  
CALGNPPTP 1  
CALGNRPTL 1  
CALGESTVR 1  
CALGERLFP 1  
CALPGLGGC 1  
CATLTGGPY 1  
CALGEIVPLC 1  
CALGELIHSY 1  
CALGENWRM 1  
CALGESRVL 1  
CALGEFLPV 1  
CALGERGCF 1  
CALPGLGGC 1  
CALGELNPY 1  
CALGERLFP 1  
CALWEVHYY 1  
CATPITGWF 1 P1  
CATWDGYSE 2 P2  
CATWDGYSE 2 P2  
CATWEYRKC 2 P2  
CATWDGPAC 2 P2  
CATWDGPAC 2 P2  
CATWDGSAC 2 P2  
CATWGGPAC 2 P2  
CAAWDSPQE 1  
CAVWDSPQE 1  
CATWDGPHY 1  
CATWDRPSE 1  
CALGDQRVF 1  
CALGEPWAS 1  
CALGDQRVF 1  
CALGEIPYP 1  
CALGDRWGI 1  
CALPRNATL 1  
CALGALPLLI 1  
CALGDIPSQ 1

CALGGLYLY 1  
CDLGELGHF 1  
CALGESRRF 1  
CAFGEIPYP1 1  
CALGEIPYP1 1  
CGWGDRWG 1  
CALREINYYk 2  
CALTPSSGP 2  
CALWEINYYI 1  
CAAWDCFVF P1  
CATWTPYPP 1  
CAPWTPYPP 1  
CATWTPHPP 1  
CATWDGWRI 1  
CATRDGRRH 1  
CATWDGWGI 1  
CATWGGWRI 1  
CALWEVLYK 1  
CALWEGYDY 1  
CATWSYYKK 1  
CATWLGYKK 1  
CATWLSFGY 1  
CATWDGVYY 1  
CALGGQRGI 1  
CALGDPPSY 1  
CALGEGMHV 1  
CALGLGAFLI 1  
CALGDPPSY 1  
CASGGQRGI 1  
CALGEPGRV 1  
CALGGQWLL 1  
CALGDPGLP 1  
CALGDPAFP 1  
CALGDLSPLI 1  
CALGELVPS 1  
CALGVLFVPI 1  
CALGETRFL 1  
CALGEPIFLF 1  
CALGSMGDT 1  
CALGDQRVF 1  
CALGELVRS 1  
CATWDGPNY 2  
CALGELSPP 2  
CALGASYVP 2  
CATWDRHYK 1  
CATRDRHYK 1  
CAAWDLPSF P2  
CAAWDLPSF P2  
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CASLYYKKLI 1  
CATWEVGYk 1  
CTPWEVGYk 1  
CATWSHYK 1  
CALTENYYKI 2  
CATWPLRG 2  
CATWDNYKK 1



CATWDCRKK 1  
CATWDGPDY 1  
CATGSHYYK 1  
CATWDLRGE P2  
CATWDRRFH P2  
CATWDLAWN 1  
CATRDLAWN 1  
CALGLTPLGI 1  
CALGELPDL 1  
CALGELTIFP 1  
CAFDWPSRV 1  
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CALGEKAFLI 1  
CALGEGISGI 1  
CALGDQLSP 1  
CALGVLGRP 1  
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CALGEGISDI 1  
CALGEVSDY 1  
CALGDFLRP 1  
CVLGDLFGP 1  
CALGEVYRL 1  
CALGGYPGC 2  
CALGDISGP 2  
CALGERLRG 2  
CALGELGGE 2  
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CAAWDGPR 1  
CATWDGPRY 1  
CALGDNYKK 1  
CATWDSPLG 1  
CATWDGPVY 1  
CATWDGPYA 1  
CATWDRVDY 1  
CATWLFYK 1  
CATWFFYK 1  
CATWDVERK 1  
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CATWDRQPY 1  
CATWDEGY 1  
CATWDRLYY 1  
CATWDGPA 1  
CATWDAHLY 1  
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CATWDKNYY 2  
CALRPVQCC 1  
CALWEVLYK 1  
CALWEVRYK 1  
CATWDRTEK 1  
CATWDLHGY 1  
CATWGNEKL 1  
CATWDAKAF 1  
CATWSHYYK 1  
CATWDRRAC 1  
CATWEGYKK 1  
CATWDFGVC 1  
CATWDGLFG 1  
CATWDGLEK 1  
CATWDGLKK 1  
CAAWDYPPE P1  
CATWDMSTC P1  
CATWDDATG P1  
CATWDRPVY P2  
CATWDRPKC P2  
CATWDRISSI P2  
CATWDRPYC P2  
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CALWEVNFY 1  
CALWEVLYR 1  
CALWEVRDV 1  
CATWDYYKK 1  
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CATWDGLGF 1  
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CALGETLPS 1  
CALGAPLRR 1  
CALSILVLGE 1  
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CALGELRPS 1  
CALGVEGLP 1  
CALGETINSY 1  
CALGELLRG 1  
CALGEVPYV 1  
CALGPLSLP 1  
CALGDLPTW 1  
CALGELGGV 1  
CALGEGFQF 1  
CALGEFLDW 1  
CALGFILLGE 1  
CALGHQYFL 1  
CALGPSGGI 1  
CALGAPLGT 1  
CALGEPTVTI 1  
CALGALPFI 1  
CALGEGARL 1  
CALRTRFLLC 1  
CALGEQTTR 1  
CALGEQYPN 1

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CALGELPTG 1  
CALGELYRS 1  
CALGEQYTS 1  
CALGEPWAE 1  
CALGEVFP 1  
CALGVLKVR 1  
CALGEIIPKY 1  
CALGEPHFT 1  
CALGEPNIP 1  
CALGELPSH 1  
CALVCPHYM 1  
CALGASSGN 1  
CALGEHVWA 1  
CALGPRVVL 1  
CALGELRGL 1  
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CARGDLHWC 1  
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CALLLPTGM 1  
CAAVKKLF 1  
CALWEVRKK 1  
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CATWDGFDV P2  
CATTDHYKK 1  
CALWEVRYK 1  
CATWDHYKK 1  
CALWEVPEL 1

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CALWEAPNI 1  
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CATWASSYK 1  
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CATWDERHY 1  
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CATWDGLYY 1  
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CATWHSYWE 1  
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CATWGHKKL 1  
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CATWDSPNY 2  
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CAAWELYTT P1  
CALWEVSYT P1  
CATWDIQGW P1  
CATWDNSAT P1  
CATWDRDYS P1  
CATWDRHGE P1  
CATWEWFKII P1  
CATWDLDPT P1  
CATWDRACV P1  
CATWDGSRE P1  
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CAARVGFLl 1  
CALWEVQRE 1  
CALWEVLPG 1  
CALWEPGKk 1  
CATWDNYKK 1  
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CATWDGRHk 1  
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CALGWRRPε 1  
CALGGGRGF 1

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CALGEPQYS 1  
CALGERPLL 1  
CALGEPFLR 1  
CALGQNRDY 1  
CALGELLLP 1  
CALGRLPNM 1  
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CALGSASLY 1  
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CALGDGGLF 1  
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CALGEASWC 1  
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CALGELASY 1  
CALGLTLRP 1  
CALGEKVFP 1  
CALGETSSR 1  
CALGERGLP 1  
CALGEDGWC 1  
CALGSPRDL 1  
CALLGDPTRI 1  
CATWDGRNY 2  
CALGERRPR 2  
CALGELPGP 2  
CALGELRPS 2  
CALGELSGR 2  
CALGASEFG 2  
CAAWGQYT P1  
CALWEVRKE P1

CATWWTARS P1  
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CAAWDFLIYI 1  
CALWWQKLF 1  
CALWEDAGK 1  
CATWDRRGV 1  
CATWDGPKT 1  
CATWDGLGY 1  
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CATWDRLNY 1  
CATWDRLKK 1  
CATWDGPHY 1  
CATWDGGSF 1  
CATWAPNYY 2  
CATWNGYYK 2  
CATWDGPPN 2  
CATWLNYYK 2  
CATWDSGKL 1  
CATWDRQG/ 1  
CATWDWGLF 1  
CATWDRPEK 1  
CATWDRRQK 1  
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CALWTSLQE P  
CATWDHSQE P  
CATWDRPQE P  
CAAWVHTTG P1  
CAAWDLAIG' P1  
CATWITGWF| P1  
CATWGRVDC P2  
CATWDGRG\$ P2  
CAYRGRDQF 1  
CASIFTGGY/ 1  
CAAWDRGPF 1  
CALWEAPWL 1  
CATWDGPRY 1  
CALTLPTSG| 1  
CATWDGYYK 1  
CALGDLRGG 1  
CALGQGWY\$ 1  
CALGDPLLD 1  
CALGELSSG 1  
CALGELDPT| 1  
CALGDSLPT 1  
CALGEGHWK 1  
CALGELRWC 1  
CALGEPVLN 1  
CALGERLPH 1  
CALGELRVP 1  
CALGELGFL| 1  
CALGEGFLP 1  
CALGELETD| 1  
CALGDPDFE 1  
CALGPRGDF 1  
CALGPRGDF 1

CALGIQWPS 1  
CALGGWNFL 1  
CALGSAQVC 1  
CALLYPSRR 1  
CALGEGNPL 1  
CALGATFFAI 1  
CALGERQYF 1  
CALGEPPLP 1  
CALGATSRP 1  
CALGIFRPSY 1  
CALGKSPLS 1  
CALGEIGNL 1  
CALGGAPLG 1  
CALGEPYWC 1  
CALGDPVLD 1  
CALGGAPLG 1  
CALGLHWGI 1  
CALGEHWFL 1  
CALGGPGVL 1  
CALGETAFLI 1  
CAFGEHWFL 1  
CALGEQVGF 1  
CALGEESL 1  
CALGGAPLG 1  
CALGGAPPC 1  
CATWDRQTY 2  
CACDTVTYRI 2  
CALGEPTAH 2  
CATWDTTGVP 1  
CALWYYYKK 1  
CALRVYYYKK 1  
CACDTSGVF 1  
CALGELTFAI 1  
CALGESLEP 1  
CALGDTFIQC 1  
CALGEPPTS 1  
CALGELPTYI 1  
CALGEPTFAI 1  
CALGDTFIQC 1  
CALGEGLPT 1  
CALGERRCT 1  
CALGELPFR 1  
CALGEPHSS 1  
CALGETYLG 1  
CALGEVGFS 1  
CALGESFPF 1  
CALGELHPR 1  
CALGELDLG 1  
CALEEPHSS 1  
CALWEDYYK 2  
CALWEVLIN 2  
CATWNYYYK 1  
CATWDGPG 1  
CALWEAHLN 1  
CALWETRGY 1  
CALWEVLLG 1

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CALWERRGY 1  
CALWEPPYY 1  
CALCETRGY 1  
CATWGRNYK 1  
CACDELGD 1  
CALGELRGT 1  
CALGEYHHW 1  
CALGEYSGY 1  
CALGYLGPN 1  
CALGERSFP 1  
CALGERSSD 1  
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CALGEILIGG 1  
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CALGDPSTP 1  
CALGEWTRK 1  
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CALGVRGLG 1  
CALGGLSSH 1  
CALGERLLY 1  
CALGELVRM 1  
CALGEYHHW 1  
CALGDHQFP 1  
CALGEHLLIF 1  
CALAGGTYT 1  
CALGGLTFLI 1  
CALGELSLLC 1  
CALGERSSF 1  
CALGECETS 1  
CALGEDVPT 1  
CALGSLHLG 1  
CALGERLKA 1  
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CALVLLSDV 1  
CALVGVGAY 1  
CALGECPPG 1  
CALGEFSRP 1  
CALGEGLRK 1  
CALGELYRG 1  
CALGELDAP 1  
CALGDQYTD 1  
CALGELVVIF 1  
CALGELRPS 1  
CALGDRHYR 1  
CALGELAFLI 1  
CALGEDSWC 1  
CALGELLPS 1  
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CACDPPHYV 1  
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CACDYGSG 1  
CACARYWGF 1  
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CATWGEAK 1  
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CALWEALPN 2  
CALWEVSYN 2  
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CALWGVGFY 1  
CATWDRPSE P2  
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CATWDGVYY 1  
CATWDGPDY 1

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CAAWDLVVV 2  
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CATWDRQGF 2  
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CATWDRGG\ 1  
CATWDTPGE 1  
CATWKTNY 2  
CATWDGYDY 2  
CATWDRRSY 1  
CATWSTGWF P1  
CATWDGLEF P1  
CATWDPRRC 1  
CATWDPNKK 1  
CATWDRYKK 1  
CATWDRYNK 1  
CATWDRTKK 1  
CATWDMKKL 1  
CALGPAPLA 3  
CALGGKLN\ 3  
CALGELDLG 3  
CALGEPYPC 3  
CALGELIPLL 4  
CALGELSPN 4  
CALGELPSY 3  
CALGEYIPL\ 3  
CALGELLGG 4  
CAGGESRSV 3  
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CATWDGTLP 1  
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CATWDGKR\ 2  
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CASWEEQGI 1  
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CAAMQGS\ P2  
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CATWASTPE 1  
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CATWSYYKK 1  
CATWDRRGK 1  
CATWDSPKK 1  
CATWDGRGF 1  
CATWDSKKL 1  
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CAARSPPL 1  
CAFQVLLWV 1  
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CASRLGMVF 1  
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CALGERSEG 1  
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CAYRSARGF 3  
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CALRGTDKL 1  
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CATWDFSHS P2  
CATWDHHTT P1  
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CATWDRNYY 2  
CATWDHKEN 2  
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CALGECHKG 3  
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CAFRLPRYW 1  
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CAFDTEVAG 1  
CAASVDGLV 1  
CALGTLGSM 1  
CAFTYAEKG 1  
CALGEPLRY 2  
CAFLQPTRLI 1  
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CAASARTFG 1