# Predictions for positions 1 through 100

Threshold for intolerance is 0.05.
Amino acid color code:  nonpolar, uncharged polar, basic, acidic.
Capital letters indicate amino acids appearing in the alignment, lower case letters result from prediction.
**'Seq Rep'** is the fraction of sequences that
 contain one of the basic amino acids.  A low fraction indicates the position is either severely gapped or unalignable and has little information.  Ex

| Predict Not Tolerated | Position | Seq Rep | Predict Tolerated |
|---|---|---|---|
| ywvtsrqpnlkihgfedca | 1M | 1.00 | M |
| ywvtsrqpnmlkihfedca | 2G | 1.00 | G |
| ywvtsrqpnmlkihfedc | 3A | 1.00 | A |
| ywvtsqpnmlkihfedca | 4R | 1.00 | R |
| ywvtsrqpnmlkihgfedc | 5A | 1.00 | A |
| ywvtrqpnmlkihgfedca | 6S | 1.00 | S |
| hwqdnpregcksyfmta | 7V | 1.00 | lIV |
| ywvtsrqpnmkihgfedca | 8L | 1.00 | L |
| w | 9R | 1.00 | cfmyihvlpdgnqetakSR |
| ywvtsrqpnmlkihfedca | 10G | 1.00 | G |
| w | 11E | 1.00 | cmfiyhlvprtqksnaGdE |
| cwfmyivhpgldnsta | 12K | 1.00 | erQK |
| ywvtsrqpnmkihgfedca | 13L | 1.00 | L |
| ywvtsrqpnmlkihgfeca | 14D | 1.00 | D |
| w | 15T | 1.00 | cfymhiplvgndqresATK |
| yvtsrqpnmlkihgfedca | 16W | 1.00 | W |
| ywvtsrqpnmlkihgfdca | 17E | 1.00 | E |
| cwfmdyivgphslnta | 18R | 1.00 | eqKR |
| ywvtsrqpnmlkhgfedca | 19I | 1.00 | I |
| cwfmdyivgphslnta | 20K | 1.00 | eqKR |
| ywvtsrqpnmkihgfedca | 21L | 1.00 | L |
| cwfmdyivgphslnta | 22K | 1.00 | eqKR |
| ywvtsrqnmlkihgfedca | 23P | 1.00 | P |
| ywvtsrqpnmlkihfedca | 24G | 1.00 | G |
| wmfiyhclrqvekp | 25G | 1.00 | tdnaSG |
| ywvtsrqpnmlihgfedca | 26K | 1.00 | K |
| ywvtsrqpnmlihgfedca | 27K | 1.00 | K |
| | 28R | 1.00 | wCmfipHvygdlntsQaeRK |
| wvtsrqpnmlkihgfedca | 29Y | 1.00 | Y |
| cw | 30M | 1.00 | fyidvphgMnlstaeqRK |
| dhgncewsrkpyqtaf | 31L | 1.00 | viML |
| ywvtsrqpnmlihgfedca | 32K | 1.00 | K |
| ywvtsrqpnmlkigfedca | 33H | 1.00 | H |
| dhgnwcesrkpyqta | 34L | 1.00 | fmvIL |
| ywtsrqpnmlkihgfedca | 35V | 1.00 | V |
| yvtsrqpnmlkihgfedca | 36W | 1.00 | W |
| ywvtsrqpnmlkihgfedc | 37A | 1.00 | A |
| ywvtrqpnmlkihgfedca | 38S | 1.00 | S |
| ywvtsqpnmlkihgfedca | 39R | 1.00 | R |
| ywvtsrqpnmlkihgfdca | 40E | 1.00 | E |
| ywvtsrqpnmkihgfedca | 41L | 1.00 | L |
| ywvtsrqpnmlkihgfdca | 42E | 1.00 | E |
| ywvtsqpnmlkihgfedca | 43R | 1.00 | R |
| ywvtsrqpnmlkihgedca | 44F | 1.00 | F |
| ywvtsrqpnmlkihgfedc | 45A | 1.00 | A |
| dhwgncersqpkyta | 46L | 1.00 | fmiVL |
| wmifcvlyrphqatk | 47D | 1.00 | esgDN |
| ywvtsrqnmlkihgfedca | 48P | 1.00 | P |
| ywvtsrqpnmlkihfedca | 49G | 1.00 | G |
| ywvtsrqpnmkihgfedca | 50L | 1.00 | L |
| ywvtsrqpnmkihgfedca | 51L | 1.00 | L |
| ywvtsrqpnmlkihgfdca | 52E | 1.00 | E |
| ywvsrqpnmlkihgfedca | 53T | 1.00 | T |
| whyfmicrqlndke | 54S | 1.00 | vptgSA |
| wcfmy | 55E | 1.00 | ihvlprtsGqankDE |
| ywvtsrqpnmlkihfedca | 56G | 1.00 | G |
| whdnrqyekfmgps | 57V | 1.00 | tliaVC |
| wcfym | 58N | 1.00 | ihvplgdtsaeNQRK |
| cwfmyiv | 59K | 1.00 | hpgldntsaerKQ |