

|          |                                   |     |                   |               |                                              |         |         |       |
|----------|-----------------------------------|-----|-------------------|---------------|----------------------------------------------|---------|---------|-------|
| b.29.1.2 | 214 aa                            | <-> | b.29.1.8          | 197 aa        | score                                        | 86.3    | p-value | 0.047 |
| 63       | NYYTNGVGGHEK.VISLGFDA             |     | SKGFHTYAFD        | WQPGY.IK..... | WYVDGVLKHTATANIPSTPGKIMN                     | LWNGTGV | 131     |       |
|          | .. G.GG E. .. ...                 |     | .DWQ .. I.        |               | . DG. K T .I .. G ...                        | NL NG.  |         |       |
| 10       | SFQIAGWGGS                        |     | ELYRRNTSLNSQ..... | QDWQSN        | KIRIVDGAANQIQVADGSRKYVVTLSIDES.GGLVANL.NGVSA |         | 80      |       |
| 132      | DDWLGSYNGANPLYAEYD                |     | WVKYTSNQTGGSFFE   | 164           |                                              |         |         |       |
|          | L S . . . : .Y. . .               |     | .N T . F..        |               |                                              |         |         |       |
| 81       | PIILQSEHAKVHSFHDYELQYSALNHTTTLFVD |     | 113               |               |                                              |         |         |       |