Figure S4. CLUSTAL 2.0.8 multiple sequence alignment of Ribosomal protein L7/L12

```
RplL_Dv         MSITKEQVVEFIGNMTVLELSEFIKELEEKFGVSAAAPMAAMAVAAPAGDAAPAEEEKTE 60
RplL_Ec         MSITKDQIIEAVAAMSVMDVVELISAMEEKFGVSAAA-----AVAVAAG-PVEAAEEKTE 54
                 *****:*::* :. *:*::: *:*. :**********     ***..** .. * *****

RplL_Dv         FDIILKSAGANKIGVIKVVRALTGLGLKEAKDKVDGAPSTLKEAASKEEAEEAKKQLVEA 120
RplL_Ec         FDVILKAAGANKVAVIKAVRGATGLGLKEAKDLVESAPAALKEGVSKDDAEALKKALEEA 114
                 **:***:*****:.***.**. ********** *:.**::***..**::**  ** * **

RplL_Dv         GAEVEIK 127
RplL_Ec         GAEVEVK 121
                 *****:*
```

Note: Boxed region shows conserved lysine that has been observed to be methylated in RplL from *E. coli* K12 (Arnold and Reilly, 2002) as well as *D. vulgaris* JW801.