

Additional file 2. Conservation of the protein sequences of the six NAPs encoding genes found in *Buchnera*. Blue squares below the consensus sequence represent functionally important amino acids. Sequence similarity is presented following a gradient color from red (low similarity) to green (identity). Colour tubes below the sequence alignment represent the different protein domains: alpha helix (pink), specific active domain (grey), beta strand (yellow), essential site (light blue), turn (dark blue).