Cytoplasm Composition by Volume Legend Color Species Copy Number Type Fluid Molecules 26210799 Water 1 26000000 5 lons 210799 Small Molecules 93 39863 29 Nucleotides/Bases 16861 Amino Acids 20 9522 Other Metabolites 37 8646 7 Other Molecules 4834 Proteins 339 2858 Cytoplasmic Protein 224 1473 Metabolic Proteins 992 67 tRNA Synthesis/RNA Degradation 39 317 Translation Factors 9 76 Macromolecular Assemblies 13 88 7 Ribosome 40 5 Protein Folding/Degradation 33 1 Transcription 15 General Interaction **Specific Interaction 3D View** Radii vs. Charge 2 1 Log Num. Copies Sym. Log Charge 0 -1-2 -3 Radii [nm] 10 2 10 4 6 12 14 Radii [nm] Radii vs. Log Num. Copies Charge vs. Log Num. Copies 8 8 Log Num. Copies Log Num. Copies 2 2 ż 6 10 8 12 <u>-</u>3 <u>-</u>2 -1 14

Sym. Log Charge

Radii [nm]

Cytoplasm of Mycoplasmoides Genitalium