

Figure S4. Electron density.

Stereo diagram showing unbiased m(Fo-Fc) difference electron density (contoured at 3 σ) for residues M40, H533, base Ade76 of the tRNA, and Ile-AMS in the synthetic site of the *E. coli* LeuRS:tRNA complex. The density was obtained by rebuilding and refinement of the molecular replacement model without inclusion of the above mentioned protein residues, Ade76 and Ile-AMS.