**Supplemental Table 3**. Analysisa of Change From Baselineb to Endpoint in Lipid and Endocrine Laboratory Values in the All-Treated Patient Set.

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| Parameter |  | PBO n=101 | ASN 2.5 mg bid n=97 | ASN 5 mg bid n=113 | OLZ 15 mg qd n=46 |
| Total cholesterol | n | 97 | 93 | 104 | 46 |
| LS mean (SE) | -0.1 (0.09) | -0.1 (0.09) | -0.1 (0.09) | -0.1 (0.12) |
| LSM difference (95% CI) |  | 0.0 (-0.2, 0.2) | -0.0  (-0.3, 0.2) | -0.0  (-0.3, 0.2) |
| Prolactin | n | 97 | 92 | 104 | 46 |
| LS mean (SE) | -349.9 (46.55) | -227.1 (48.88) | -197.7 (46.05) | -138.0 (65.25) |
| LSM difference (95% CI) |  | 122.9 (2.6, 243.2) | 152.3 (36.6, 268.0) | 211.9 (65.4, 358.4) |
| Insulinc | n | 87 | 74 | 82 | 42 |
| LS mean (SE) | 37.4 (17.24) | 34.3 (19.40) | 37.2 (18.26) | 23.1 (24.01) |
| LSM difference (95% CI) |  | -3.2 (-49.2, 42.9) | -0.2 (-45.2, 44.7) | -14.3 (-68.4, 39.8) |
| Triglyceridesc | n | 92 | 81 | 92 | 45 |
| LS mean (SE) | -0.1 (0.08) | -0.1 (0.08) | -0.1 (0.08) | 0.2 (0.10) |
| LSM difference (95% CI) |  | -0.0 (-0.2, 0.2) | -0.0  (-0.2, 0.2) | 0.3 (0.0, 0.5) |
| Glucosec | n | 89 | 78 | 84 | 42 |
| LS mean (SE) | 0.0 (0.26) | 0.6 (0.29) | 0.3 (0.27) | 0.5 (0.36) |
| LSM difference (95% CI) |  | 0.5 (-0.2, 1.2) | 0.2 (-0.4, 0.9) | 0.5  (-0.3, 1.3) |
| HbA1c | n | 97 | 93 | 104 | 46 |
| LS mean (SE) | -0.0 (0.04) | 0.1 (0.04) | 0.0 (0.4) | 0.1 (0.06) |
| LSM difference (95% CI) |  | 0.1 (-0.0, 0.2) | 0.0  (-0.1, 0.1) | 0.1 (-0.0, 0.2) |
| ASN, asenapine; bid, twice daily; CI, confidence interval; HbA1c, glycosylated hemoglobin; LS, least squares; LSM, least-squares mean; OLZ, olanzapine; PBO, placebo; qd, once daily; SE, standard error. aAnalysis is based on an analysis of covariance (ANCOVA) model: change from baseline = treatment + pooled center + baseline value.  bBaseline is the last non-missing assessment on or prior to first study drug administration.  Study endpoint is the last non-missing post-baseline assessment on or prior to the last dose date +7 days.  cGlucose, insulin, and triglycerides include only fasting measurements. | | | | | |