**Supplementary Material**

Supplement. 6-Minute Walk Test Sensitivity Analyses Eteplirsen and Primary External Controls

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| Potential Issue Addressed | Model Used | LS Mean Difference(meters) | P-value |
| Potential Bias Caused by Imbalance in Baseline Factors | ANCOVA, Covariate: Baseline 6MWT | 159 | 0.002 |
| ANCOVA, Covariates: Baseline 6MWT, Baseline Age | 163 | 0.002 |
| ANCOVA, Covariates: Baseline 6MWT, Steroid Schedule (Intermittent vs Continuous) | 149 | 0.006 |
| ANCOVA, Covariates: Baseline 6MWT, Baseline Age, Age at Start of Steroids | 151 | 0.018 |
| ANCOVA, Covariates: Baseline 6MWT, Baseline Age, Baseline Height | 124 | 0.035 |
| ANCOVA, Covariates: Baseline 6MWT, Baseline Age, Baseline Weight | 159 | 0.003 |
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| Potential Bias Caused by Definition of Year Being 48 Weeks for Eteplirsen Patients | Unadjusted Comparison, Week 216 as Year 4 | 127 | 0.009 |
| ANCOVA, Week 216 as Year 4, Covariates: Baseline 6MWT | 128 | 0.011 |
| ANCOVA, Week 216 as Year 4, Covariates: Baseline 6MWT, Baseline Age | 136 | 0.007 |

ANCOVA, analysis of covariance; 6MWT, 6-minute walk test; LOCF, last observation carried forward