

Supplementary Figure 1. Slit lamp biomicroscope examination of additional *Col4a1*^{+/ Δ ex41} mice on CASTB6F1 background. (**A, C, E**), front views and (**B, D, F**) side views of the same eye were shown. While most *Col4a1*^{+/ Δ ex41} mutant eyes showed mild ASD phenotypes, eyes with relatively severe sub-phenotypes including severe cataract (**A-B**, arrowhead), severely enlarged anterior chamber, corneal neovascularization (**B, D**, asterisk) and iris coloboma (**E, F**, arrow) were also noted.