

Table S1. Inclusion and exclusion enrollment criteria (applied per eye)

	Control	Cataract
Inclusion	<p>1) Subject age 0-5 years, 2) Normal visual acuity for age as determined by pediatric ophthalmologist examination (central steady and maintained for subjects <3 years, 20/40 or better for 3-4 years, 20/30 or better for 5 years), 3) Age-appropriate refractive error (spherical equivalent between -2 and +4, and $\leq 2.5D$ of astigmatism).</p>	<p>1) Subject age 0-5 years, 2) Diagnosis of visually significant and amblyogenic lens opacity requiring cataract surgery.</p>
Exclusion	<p>1) Abnormal visual acuity for age including amblyopia, 2) High refractive error (see inclusion), 3) Past intraocular surgery, 4) Intraocular anomaly including abnormal gonioscopy, abnormal pupil morphology, corneal opacity, corneal diameter or pachymetry >2 standard deviations outside established mean value for age. 5) History of ipsilateral trauma requiring medical evaluation. (Contralateral trauma is not grounds for exclusion of ipsilateral eye.)</p>	<p>1) Signs of glaucoma at time of enrollment, including any one of the following: -Elevated eye pressure (>21 mmHg), -Corneal enlargement or clouding (>2 standard deviations greater than established mean value for age for corneal diameter¹⁹ or pachymetry.²⁰) -Optic nerve cup to disc ratio >0.6 -Surgical procedure or medical management of intraocular pressure recommendation prior to cataract surgery. 2) Past intraocular surgery or injury, 3) Intraocular anomaly (either eye) in addition to cataract (i.e., Peter's anomaly, lens or iris coloboma, etc.)</p>