S3 Table. The properties of six 3D images not used for training acquired from different mice included in the second independent dataset.

	Image Size (voxel)	Voxel Size (μm^3)	Z evaluation interval	Background	Trans gene	Phenotype
1	$256 \times 256 \times 100$	$1.14 \times 1.14 \times 1$	$1~\mu m$	C57/BL6	APP/PS1	AD
2	$256 \times 256 \times 250$	$0.95 \times 0.95 \times 1$	$25~\mu m$	C57/BL6	APP/PS1	WT
3	$256 \times 256 \times 25$	$0.95 \times 0.95 \times 1$	$1~\mu m$	C57/BL6	APP/PS1	WT
4	$256 \times 256 \times 25$	$0.95 \times 0.95 \times 1$	$1~\mu m$	C57/BL6	APP/PS1	WT
5	$256 \times 256 \times 25$	$0.95 \times 0.95 \times 1$	$1~\mu m$	C57/BL6	APP/PS1	WT
6	$256 \times 256 \times 25$	$0.95 \times 0.95 \times 1$	$1~\mu m$	C57/BL6	APP/PS1	WT