

Table S1. Genotypes of the *Drosophila* strains used in this study.

*w*¹¹¹⁸/Y

*w*¹¹¹⁸/Y; *Lamp1*^{6.1} FRT40A/ *Lamp1*^{6.1} FRT40A

*w*¹¹¹⁸/Y; *Lamp1*^{11B}/ *Lamp1*^{11B}

*w*¹¹¹⁸/Y; *Lamp1*^{6.1} FRT40A/ *Lamp1*^{6.1} FRT40A; +/ *UAS-SNCA*^{A30P}

*w*¹¹¹⁸/Y; *Lamp1*^{6.1} FRT40A/ *Lamp1*^{6.1} FRT40A; *NP6510-Gal4*/+

*w*¹¹¹⁸/Y; *Lamp1*^{6.1} FRT40A/ *Lamp1*^{6.1} FRT40A; *NP6510-Gal4*/ *UAS-SNCA*^{A30P}

tub-Lamp1/Y; *Lamp1*^{6.1} FRT40A/ *Lamp1*^{6.1} FRT40A

tub-Lamp1/Y; *Lamp1*^{6.1} FRT40A/ *Lamp1*^{6.1} FRT40A; +/ *UAS-SNCA*^{A30P}

tub-Lamp1/Y; *Lamp1*^{6.1} FRT40A/ *Lamp1*^{6.1} FRT40A; *NP6510-Gal4*/ +

tub-Lamp1/Y; *Lamp1*^{6.1} FRT40A/ *Lamp1*^{6.1} FRT40A; *NP6510-Gal4*/ *UAS-SNCA*^{A30P}

*w*¹¹¹⁸/Y; +/+; +/ *UAS-SNCA*^{A30P}

*w*¹¹¹⁸/Y; +/+; *NP6510-Gal4*/ +

*w*¹¹¹⁸/Y; +/+; *NP6510-Gal4*/ *UAS-SNCA*^{A30P}

*w*¹¹¹⁸/Y; *Lamp1*^{11B}/ *Lamp1*^{11B}; +/ *UAS-SNCA*^{A30P}

*w*¹¹¹⁸/Y; *Lamp1*^{11B}/ *Lamp1*^{11B}; *NP6510-Gal4*/ +

*w*¹¹¹⁸/Y; *Lamp1*^{11B}/ *Lamp1*^{11B}; *NP6510-Gal4*/ *UAS-SNCA*^{A30P}

tub-Lamp1/Y; *Lamp1*^{11B}/ *Lamp1*^{11B}

tub-Lamp1/Y; *Lamp1*^{11B}/ *Lamp1*^{11B}; +/ *UAS-SNCA*^{A30P}

tub-Lamp1/Y; *Lamp1*^{11B}/ *Lamp1*^{11B}; *NP6510-Gal4*/+

tub-Lamp1/Y; *Lamp1*^{11B}/ *Lamp1*^{11B}; *NP6510-Gal4*/ *UAS-SNCA*^{A30P}

*w*¹¹¹⁸/Y; *Lamp1*^{6.1} FRT40A/ *Lamp1*^{6.1} FRT40A; *nSyb-Gal4*/+

*w*¹¹¹⁸/Y; *Lamp1*^{6.1} FRT40A/ *Lamp1*^{6.1} FRT40A; *nSyb-Gal4*/ *UAS-SNCA*^{A30P}

*w*¹¹¹⁸/Y; *Lamp1*^{11B}/ *Lamp1*^{11B}; *nSyb-Gal4*/ +

*w*¹¹¹⁸/Y; *Lamp1*^{11B}/ *Lamp1*^{11B}; *nSyb-Gal4*/ *UAS-SNCA*^{A30P}