The Corresponding Paths of All Images Used in The Manuscript

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|-----------------|--|-----------------|---|
| Dataset<br>Name | The Corresponding Paths of Images  | Dataset<br>Name | The Corresponding Paths of Images   |
| DIADE<br>M      | OP1、OP4、OP5、OP6、OP7、OP8  | gold166         | p_checked6_mouse_RGC_uw67\ho_100108c3   |
| ANODE<br>09     | test01-test50  | gold166         | p_checked6_mouse_RGC_uw67\ho_140921c9   |
| DRIVE           | test01-test40  | gold166         | p_checked6_mouse_RGC_uw67\HO_140921c14  |
| gold166         | p_checked6_mouse_RGC_uw67\ho_110203c3  | gold166         | p_checked6_mouse_RGC_uw67\HO_140921c22  |
| gold166         | p_checked6_mouse_RGC_uw67\ho_140921c3  | gold166         | p_checked6_mouse_RGC_uw67\sv_080926a  |
| gold166         | p_checked6_mouse_RGC_uw67\ho_140921c5  | gold166         | p_checked6_mouse_RGC_uw67\sv_091226c2   |
| gold166         | p_checked6_mouse_RGC_uw67\SV_140918c<br>7  | gold166         | p_checked6_mouse_RGC_uw67\sv_100110c4   |
| gold166         | p_checked6_mouse_RGC_uw67\sv_140921c1<br>2   | gold166         | p_checked6_mouse_RGC_uw67\SV_140921c16  |
| gold166         | p_checked7_taiwan_flycirciut\uint8_ChaMAR<br>CM-F000157_seg001.lsm_c_3.tif   | gold166         | p_checked7_taiwan_flycirciut\uint8_ChaMARC<br>M-F000007_seg001.lsm_c_3.tif  |
| gold166         | p_checked7_taiwan_flycirciut\uint8_ChaMAR<br>CM-F000127_seg001.lsm_c_3.tif   | gold166         | p_checked7_taiwan_flycirciut\uint8_ChaMARC<br>M-F000134_seg001.lsm_c_3.tif  |
| gold166         | p_checked7_taiwan_flycirciut\uint8_ChaMAR<br>CM-F000138_seg001.lsm_c_3.tif   | gold166         | p_checked7_taiwan_flycirciut\uint8_ChaMARC<br>M-F000141_seg001.lsm_c_3.tif  |
| gold166         | p_checked7_taiwan_flycirciut\uint8_ChaMAR<br>CM-F000138_seg002.lsm_c_3.tif   | gold166         | p_checked7_taiwan_flycirciut\uint8_ChaMARC<br>M-F000143_seg001.lsm_c_3.tif  |
| gold166         | p_checked7_taiwan_flycirciut\uint8_ChaMAR<br>CM-F000139_seg001.lsm_c_3.tif   | gold166         | p_checked7_taiwan_flycirciut\uint8_ChaMARC<br>M-F000144_seg001.lsm_c_3.tif  |
| gold166         | p_checked6_fruitfly_larvae_gmu23\done_1_C<br>L-I_X_OREGON_R_ddaD_membrane-GFP  | gold166         | p_checked6_fruitfly_larvae_gmu23\done_1_CL-<br>I_X_OREGON_R_ddaE_membrane-GFP   |
| gold166         | p_checked6_fruitfly_larvae_gmu23\done_1_C<br>L-III_X_LifeActRuby_vpda_membrane-<br>GFP_actin-LifeActRuby.czi-C_1                               | gold166         | p_checked6_fruitfly_larvae_gmu23\done_2_CL-<br>I_Membrane-GFP_X_F-Actin-<br>Red_ddaD_Membrane-GFP_F-Actin-<br>Red.czi_C_1           |
| gold166         | p_checked7_janelia_flylight_part1\GMR_57C<br>10_AD_01-1xLwt_attp40_4stop1-mA02-<br>20111101_1_D1-<br>right_optic_lobe.v3draw.extract_9         | gold166         | p_checked7_janelia_flylight_part1\GMR_57C10 _AD_01-1xLwt_attp40_4stop1-mA02- 20111101_2_C1- left_optic_lobe.v3draw.extract_2        |
| gold166         | p_checked6_fruitfly_larvae_gmu23\done_err_<br>3_CL-I_MT_X_MYR-GFP_ddaE_MT-<br>mCherry_membrane-GFP.czi_C_1                                     | gold166         | p_checked6_fruitfly_larvae_gmu23\done_Result _of_C1-CL-I(X-Mas)_x_OregonR_ddaE_F- actinGFP_MT-Red                                   |
| gold166         | p_checked6_fruitfly_larvae_gmu23\done_3_C<br>L-I_MT_X_MYR-<br>GFP_ddaD_MTmCherry_membrane-<br>GFP.czi_C_1                                      | gold166         | p_checked6_fruitfly_larvae_gmu23\done_2_CL-<br>I_Membrane-GFP_X_F-Actin-<br>Red_ddaE_Membrane-GFP_F-Actin-<br>Red.czi_C_1           |
| gold166         | p_checked7_janelia_flylight_part1\GMR_57C<br>10_AD_01-Two_recombinase_flipouts_A-m-<br>A-20111103_3_D1-<br>left_optic_lobe.v3draw.extract_0    | gold166         | p_checked7_janelia_flylight_part1\GMR_57C10 _AD_01-1xLwt_attp40_4stop1-xA02- 20110411_1_D4- left_optic_lobe.v3draw.extract_8        |
| gold166         | gold166\p_checked7_janelia_flylight_part1\G<br>MR_57C10_AD_01-1xLwt_attp40_4stop1-<br>xA02-20110612_1_B1-<br>right_optic_lobe.v3draw.extract_7 | gold166         | p_checked7_janelia_flylight_part1\GMR_57C10 _AD_01-1xLwt_attp40_4stop1-mA02- 20111101_1_D3- left_optic_lobe.v3draw.extract_11       |
| gold166         | p_checked7_janelia_flylight_part1\GMR_57C<br>10_AD_01-Two_recombinase_flipouts_A-f-A-<br>20111108_2_F3-<br>right_optic_lobe.v3draw.extract_0   | gold166         | p_checked7_janelia_flylight_part1\GMR_57C10 _AD_01-Two_recombinase_flipouts_A-m-A- 20111006_1_A4- right_optic_lobe.v3draw.extract_0 |
| gold166         | p_checked7_janelia_flylight_part1\GMR_57C<br>10_AD_01-Two_recombinase_flipouts_A-f-A-<br>20111108_4_G2-<br>right_optic_lobe.v3draw.extract_1   | gold166         | p_checked7_janelia_flylight_part1\GMR_57C10 _AD_01-Two_recombinase_flipouts_A-m-A- 20111006_1_E1- right_optic_lobe.v3draw.extract_4 |