**Long et al, 2022, PNAS**

**ATG7 is a haploinsufficient repressor of tumor progression and promoter of metastasis**

**Readme file for raw data on Enlighten database**

**Fig 1 (folder)**

Figure 1A – Animal survival raw data in Excel, statistical analysis in Fig 1A X5JLp53001 stats.pzf

Figure 1B – Animal survival raw data in Excel, statistical analysis in Fig 1B X5JLp53001 stats.pzf

Figure 1C – Pancreas profile raw data and table in Excel, statistical analysis in Fig 1C X5JLp53009 stats.pzf

Figure 1D – H&E histology: raw czi. and converted TIF files in subfolder: Fig 1D IHC pictures; Quantification of pancreas lesions: raw data exported from Halo® Imaging software, calculations in Excel, statistical analysis in Fig 1D X5JLp53010 stats.pzf

Figure 1E – H&E and Alcian Blue/PAS histology: raw czi. and converted TIF files in subfolder: Fig 1E IHC photos; Quantification of Alcian Blue/PAS staining: raw data exported from Halo® Imaging software; statistical analysis in Fig 1E X5JLp53010 stats.pzf

Figure 1F – PanIN and PDAC incidence in animals: raw data in Excel, statistical analysis in Fig 1F X5JLp53010 stats.pzf.

Figure 1G – H&E and BrdU histology: raw czi. and converted TIF files in subfolder: Fig 1G IHC pics; Quantification of BrdU staining in Excel; statistical analysis in Fig 1G X5JLp53003 stats.pzf

**Fig 2 (folder)**

Figure 2A – H&E and BrdU histology: raw czi. and converted TIF files in subfolder: Fig 2A IHC pics; Quantification of BrdU staining in Excel; statistical analysis in Fig 2A X5JLp53007 stats.pzf

Figure 2B – H&E, ATG7, LC3 and p62 histology: raw czi. and converted TIF files in subfolder: Fig 2B IHC photos; details of preparation of magnified inset in WORD file; Quantification of ATG7, LC3 and p62 staining: raw data exported from Halo® Imaging software; statistical analysis in pzf files from each subfolder (ATG7, LC3 and p62)

Figure 2C – H&E histology: raw czi. and converted TIF files in subfolder: Fig 2C IHC pics; Quantification of pancreas lesions: raw data exported from Halo® Imaging software, calculations in Excel, statistical analysis in Fig 2C X5JLp53010 stats.pzf

Figure 2D – PanIN and PDAC incidence in animals: raw data in Excel, statistical analysis in Fig 2D X5JLp53010 stats.pzf.

Figure 2E – Pancreas profile raw data and table in Excel, statistical analysis in Fig 2E X5JLp53009 stats.pzf

**Fig 3 (folder)**

Figure 3A – H&E histopathology of PDAC metastases: raw czi. and converted TIF files

Figure 3B – Animal (metastatic disease) raw data and table in Excel; statistical analysis in Fig 3B X5JLp53014 stats.pzf

**Fig 4 (folder)**

Figure 4A – metabolomics raw data in Excel files; statistical analyses in Fig 4A X5JLp53011 stats.pzf

Figure 4B – Exported Incucyte® invasion assay raw data and analyses in Excel file; graph plotted in Fig 4B X5JLp53049 Incucyte Invasion assay graph.pzf

Figure 4C – Exported Incucyte® invasion assay raw data and analyses in Excel file; statistical analysis in Fig 4C X5JLp53053-057 Incucyte Invasion assay graph and stat.pzf

**Supplemental Fig 1 (folder)**

Supp Fig 1A – Schematic

Supp Fig 1B – H&E, ATG7, LC3 and p62 histology: raw czi. and converted TIF files in subfolders: Supp Fig 1B ATG7 WT and Supp Fig 1B ATG7 KO; details of preparation of magnified inset in WORD file

Supp Fig 1C – Quantification of ATG7, LC3 and p62 staining from Supp Fig 1B: raw data exported from Halo® Imaging software; statistical analysis in pzf files from each subfolder (Supp Fig 1C ATG7, LC3 and p62)

**Supplemental Fig 2 (folder)**

H&E histopathology of pancreatic islets: raw czi. and converted TIF files

**Supplemental Fig 3 (folder)**

Pancreas/Body weight raw data and calculations in Excel; statistical analyses in Supp Fig 3 X5JLp53002 stat.pzf

**Supplemental Fig 4 (folder)**

Pancreas/Body weight raw data and calculations in Excel; statistical analyses in Supp Fig 4 X5JLp53007 stat.pzf

**Supplemental Fig 5 (folder)**

Uncropped western blot images for actin, ATG7 (long exposure), ATG7 (short exposure), LC3 and p62 in original SCN files and converted TIF files.

**Supplemental Fig 6 (folder)**

Metabolomics raw data in Excel files; statistical analyses in Supp Fig 6 X5JLp53011 stats.pzf

**Supplemental Fig 7 (folder)**

Exported Incucyte® invasion assay raw data and analyses in Excel file; graph plots in Supp Fig 7 X5JLp53050-051 Incucyte Invasion assay graph.pzf

**Supplemental Table 1 and Table 2 (folder)**

Animal survival raw data and tables in Excel files; Median survival calculations in Supp Table 1 and Table 2 median survival.pzf.