

SPTLC1



Figure2 SPTLC2

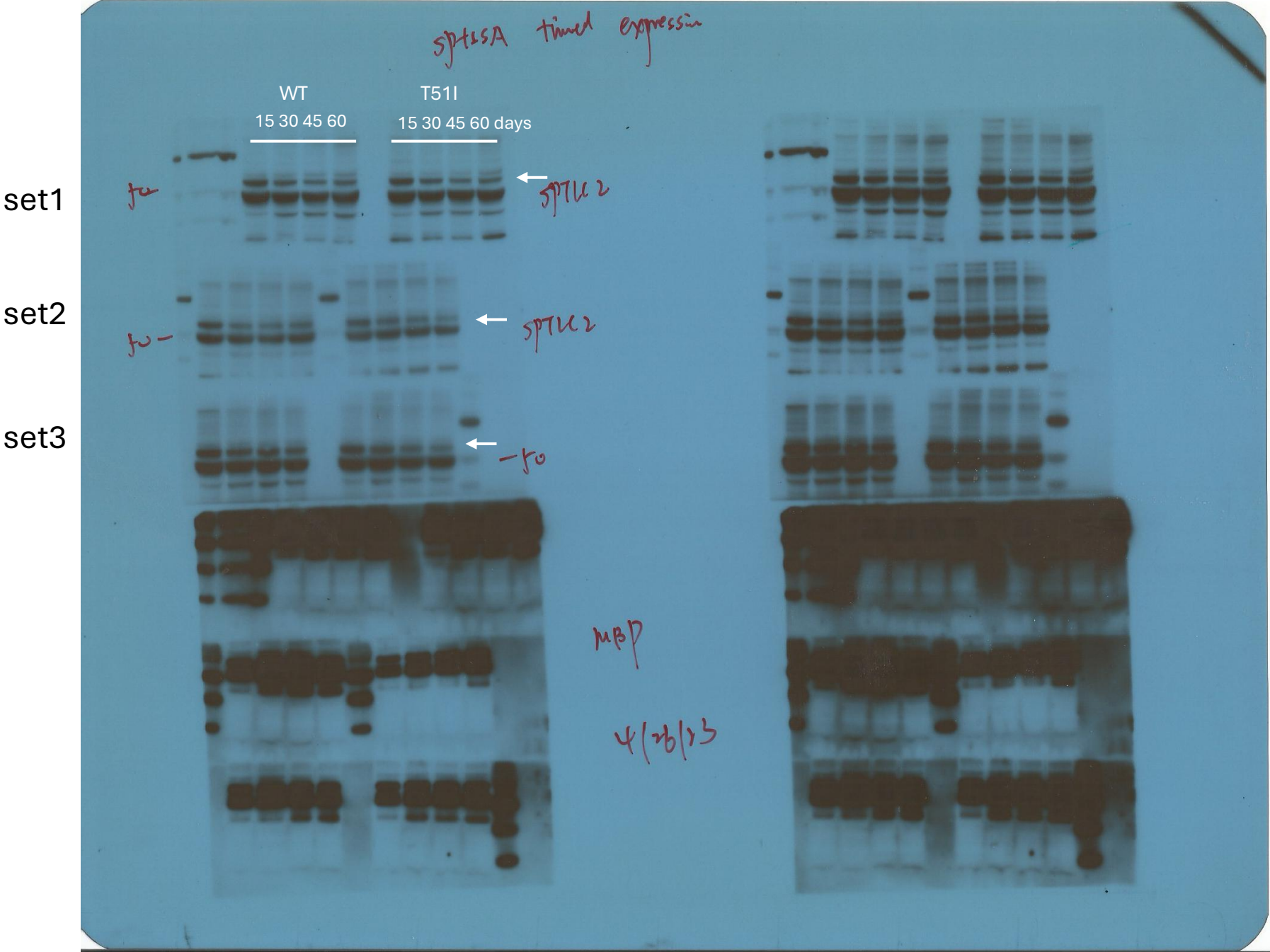


Figure2 ACTIN

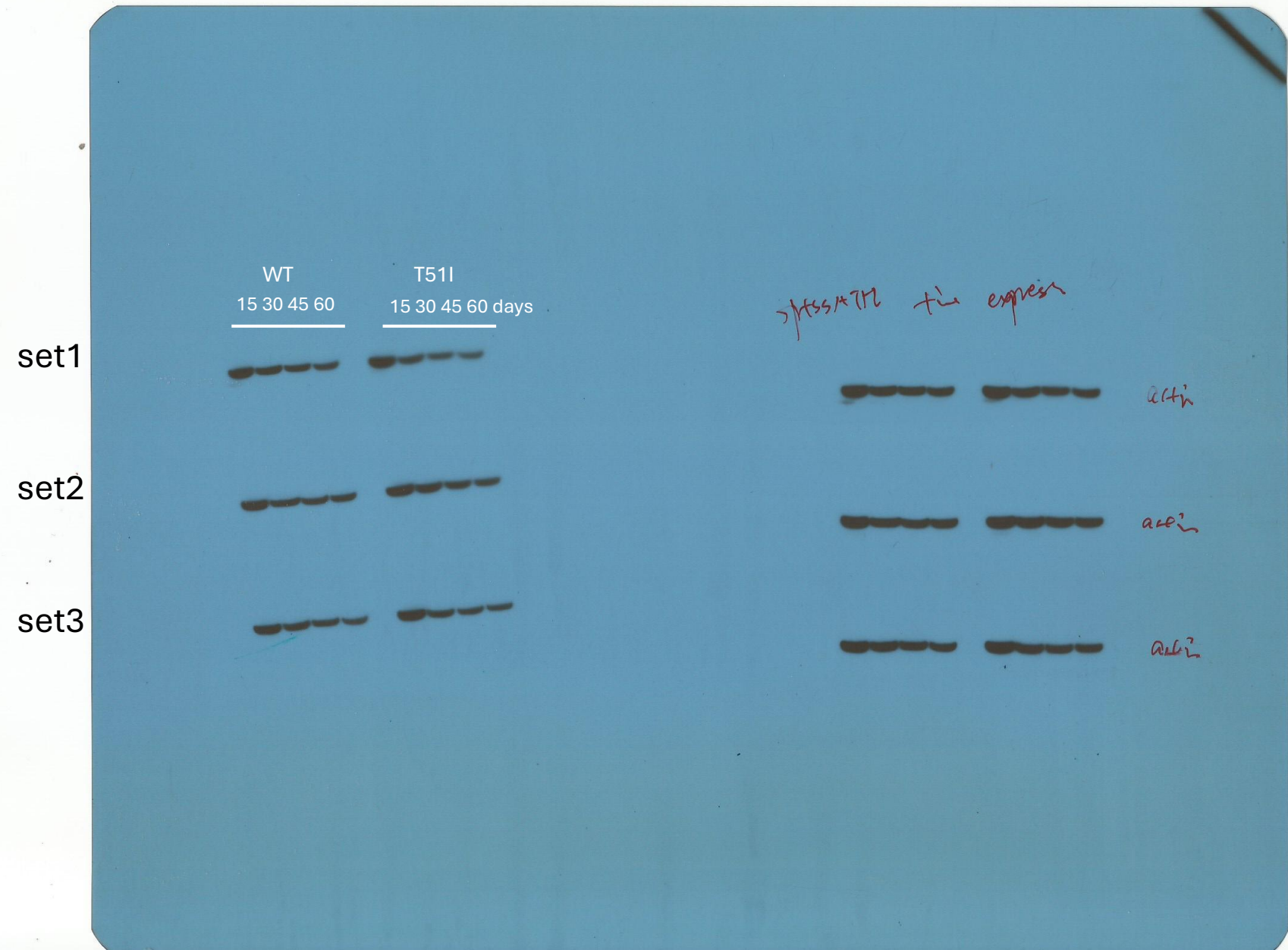


Figure2 ORMDL3

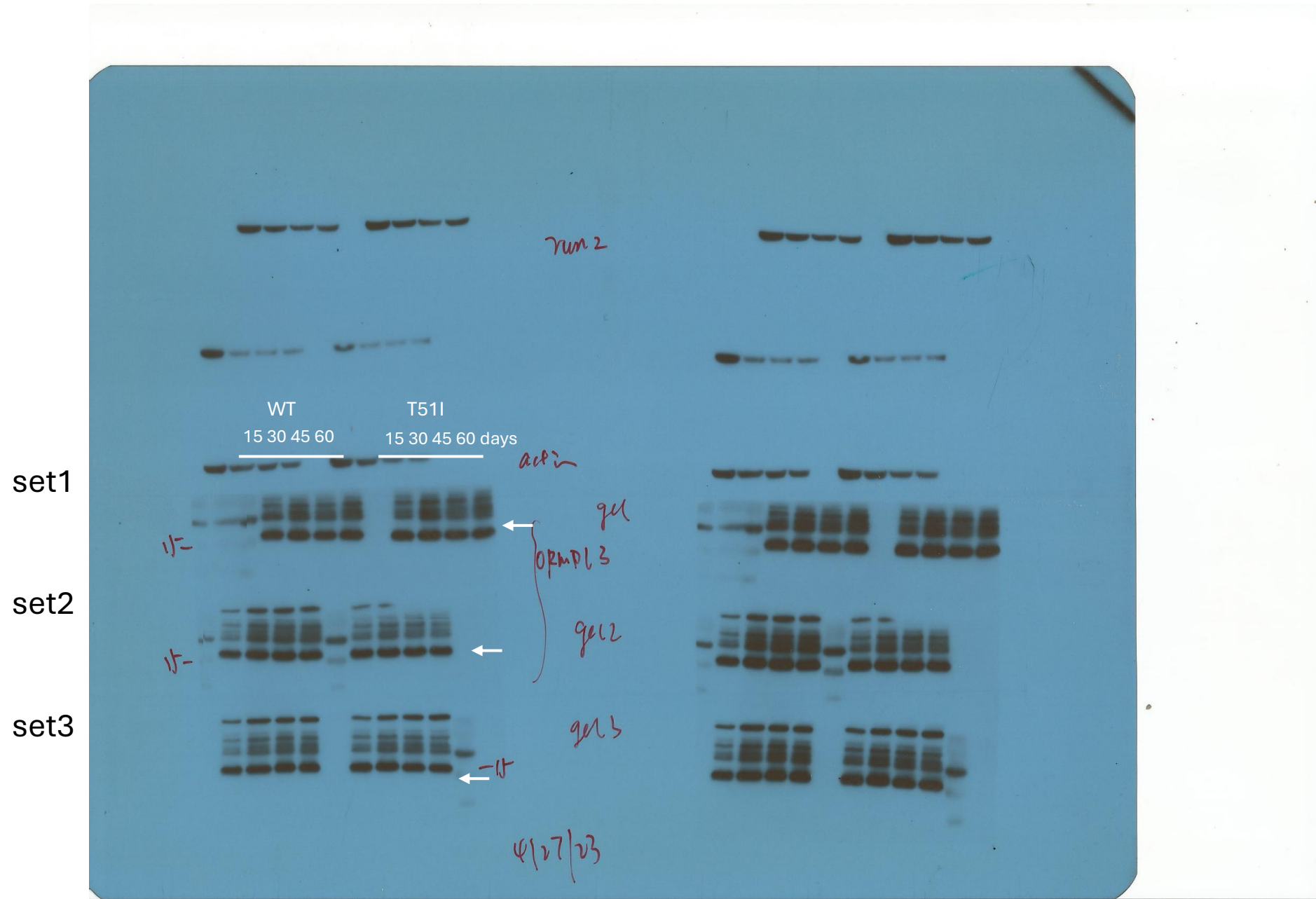


Figure2 PLP and ACTIN repeat

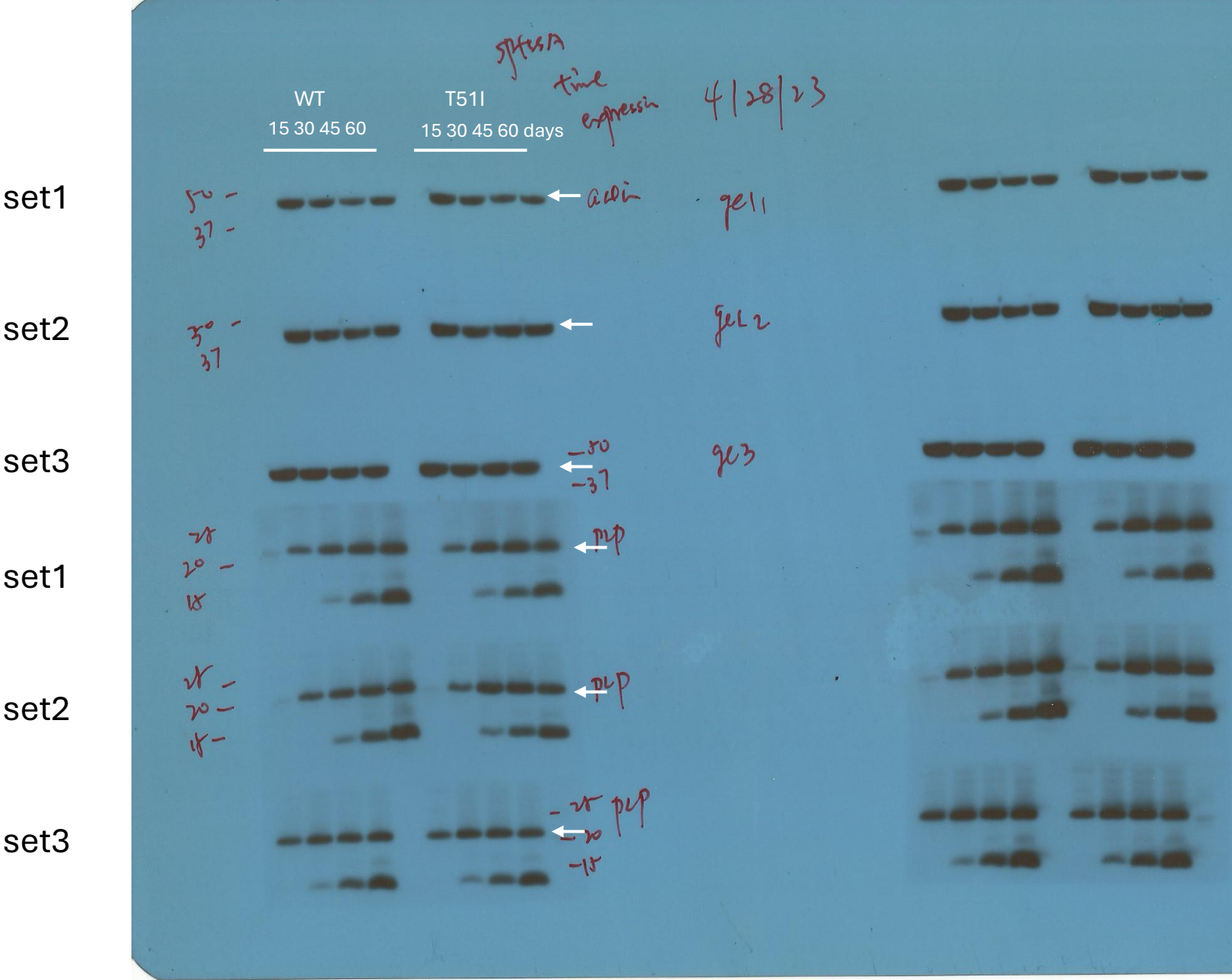
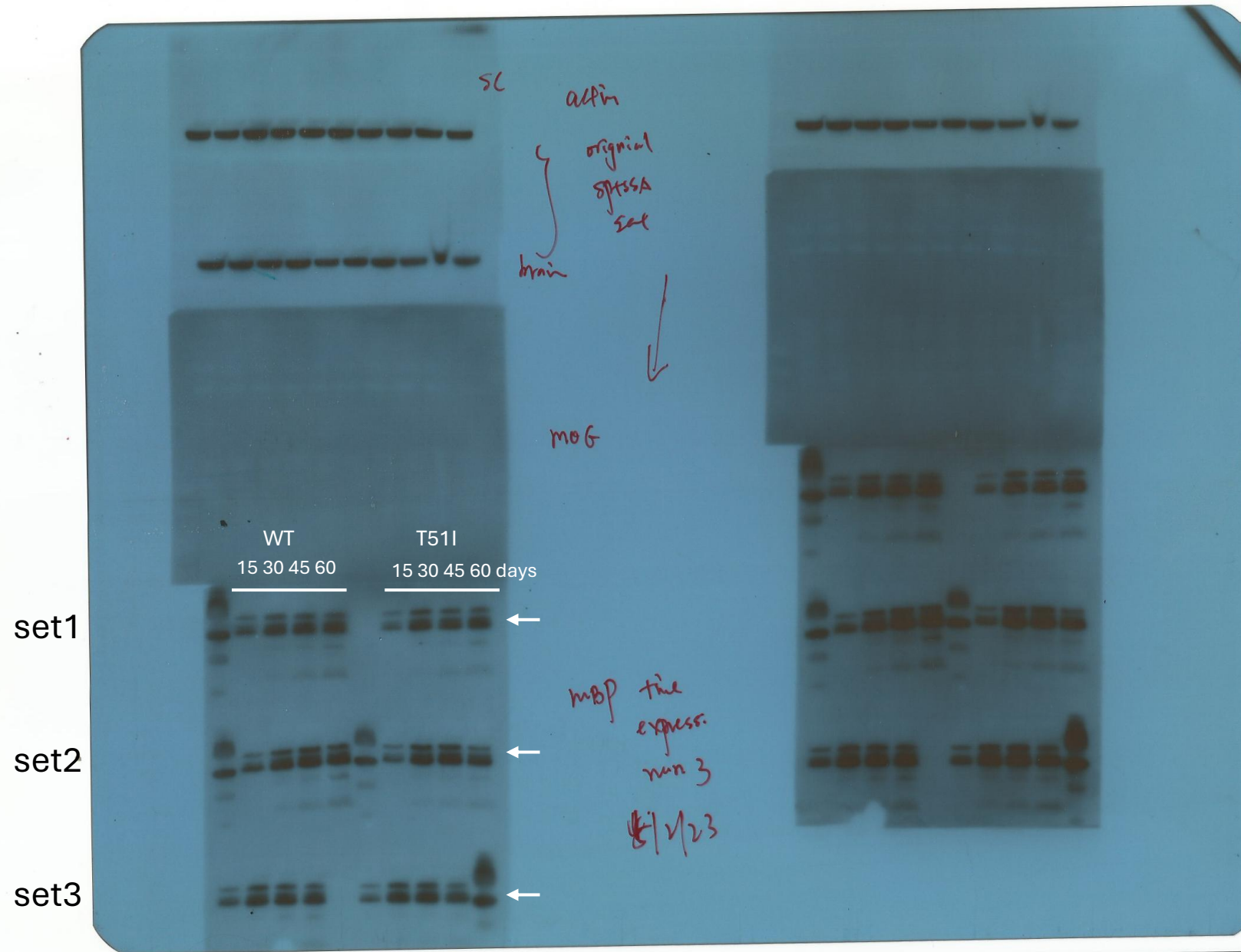
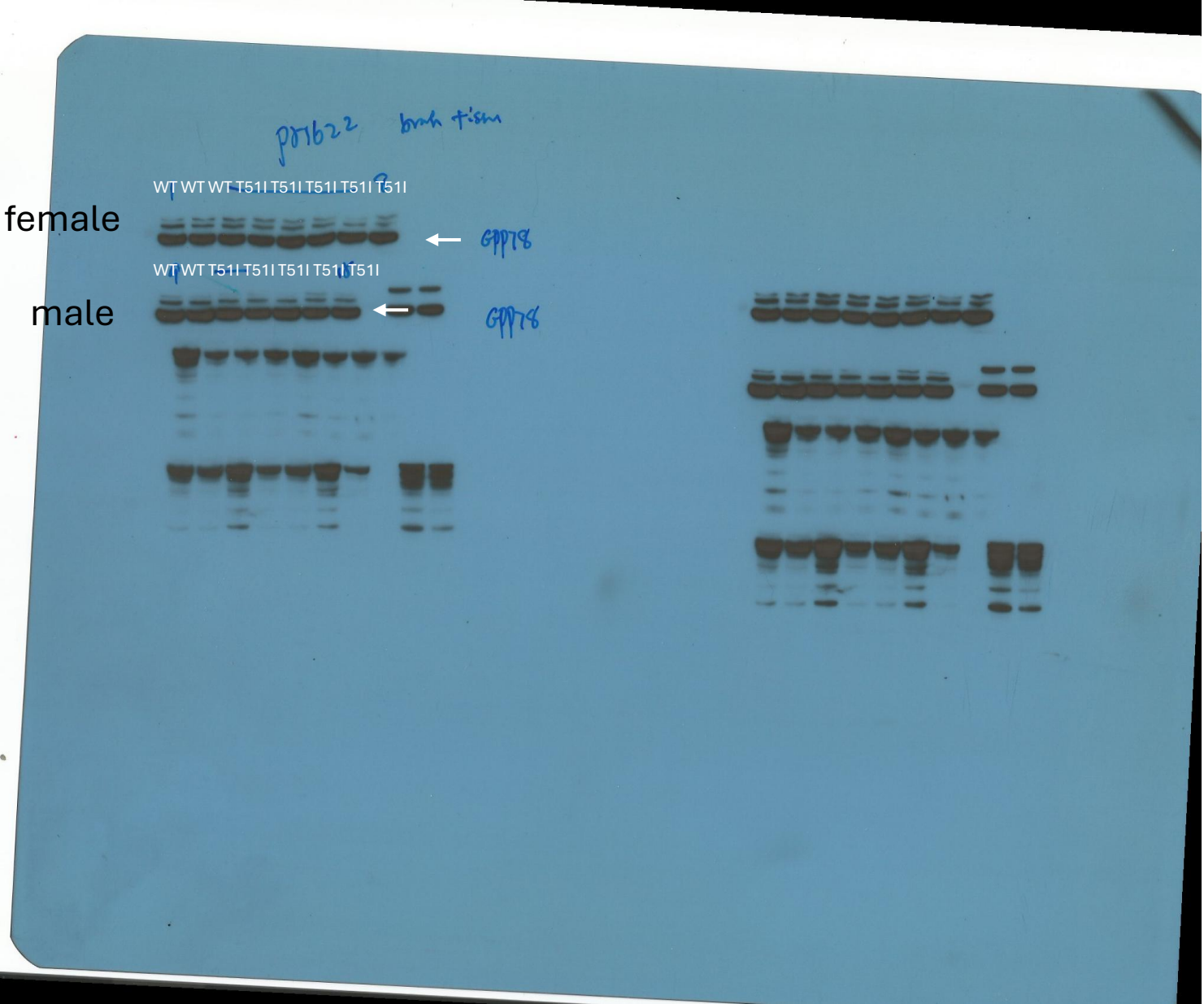


Figure2 MBP

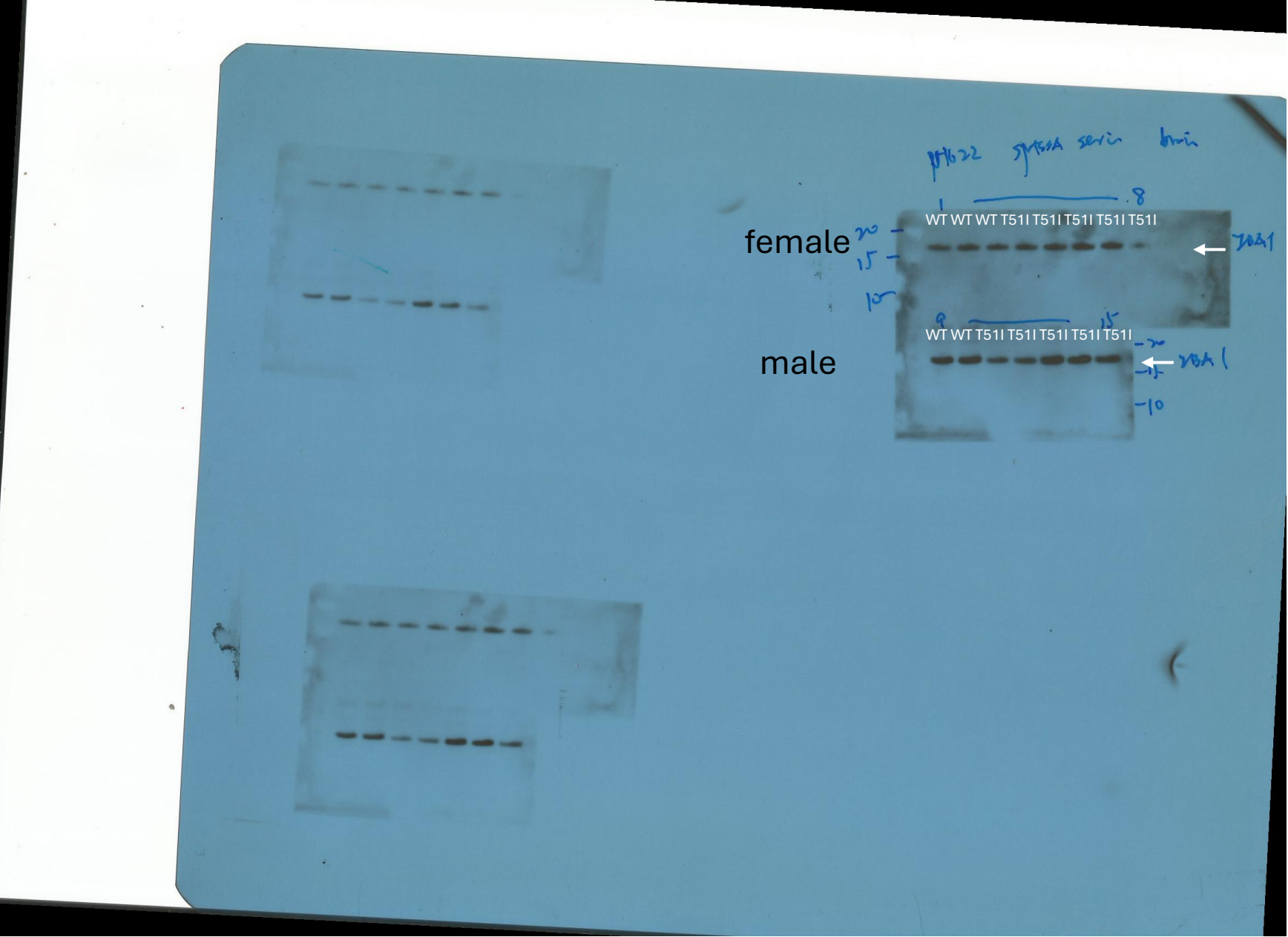


Figrue5 and Figure S6 brain GRP78



The image shows a blue gel electrophoresis result with handwritten annotations. At the top left, there's a note "SPKSSA p5H622 drinitson". Below it, a series of numbers "1 2 3 4 5 6 7 8" are written. To the right, "Gel loading" and "Pico" are noted. Further right, "7S double film" is written. On the left side, the word "female" is written vertically. Below it, "Jo-" is written. In the center-left, there's a row of lane labels: "WT WT T51I T51I T51I T51I". Above these labels, numbers "9 10 11 12 13 14 15" are written. To the right of the female section, there are labels "GPP76", "-75 GPP78", and "GRAP" with arrows pointing to specific bands. Below the female section, the word "male" is written. Next to it, another row of lane labels is present: "WT WT T51I T51I T51I T51I". To the right of the male section, there's a label "-50 GRAP" and "1:two". At the bottom center, the date "6/22/22" is written.

Figure 5 and Figure S6 brain IBA1



Figrue5 and Figure S6 brain GADPH

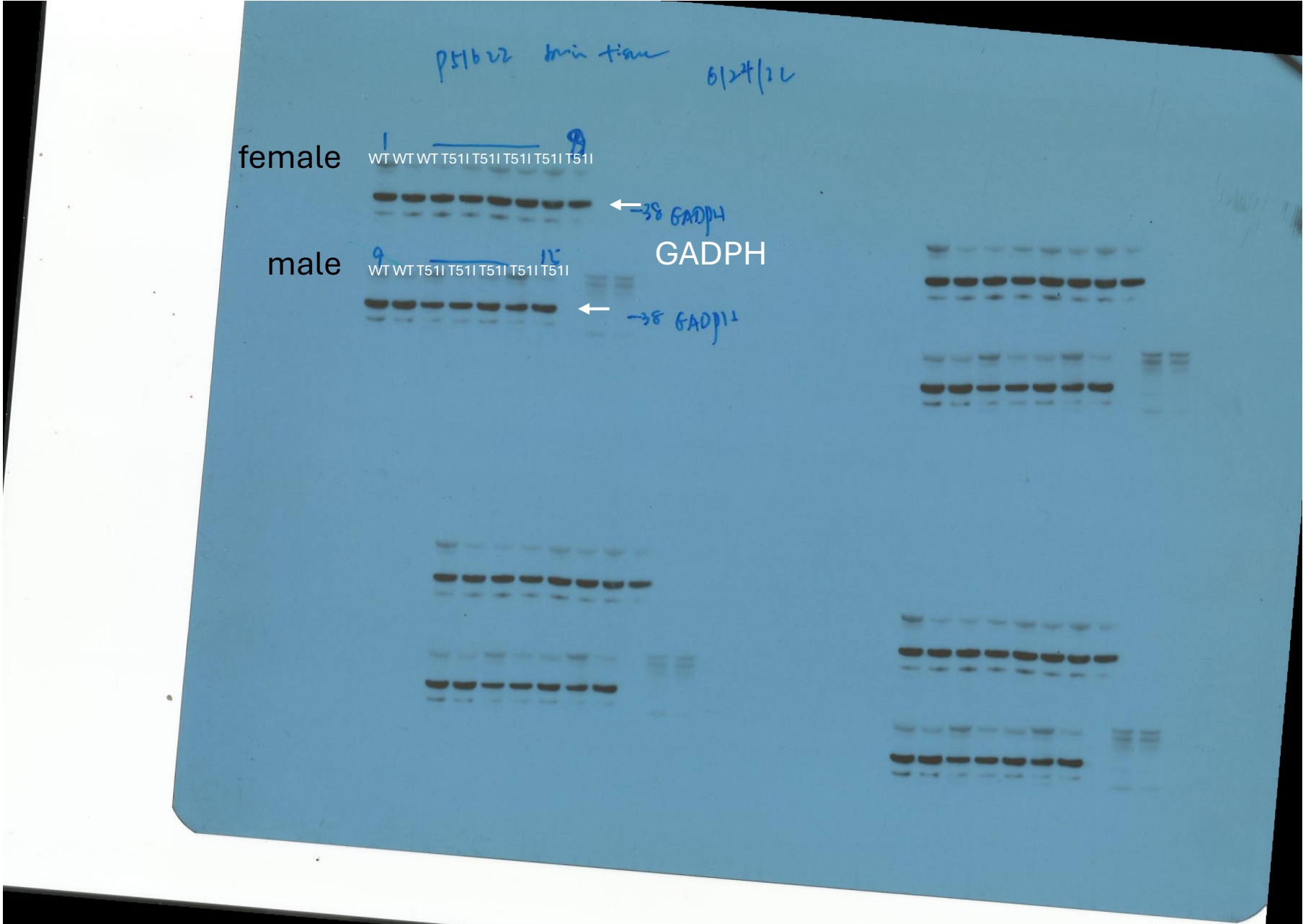


Figure5 and Figure S6 brain tubulin and MBP

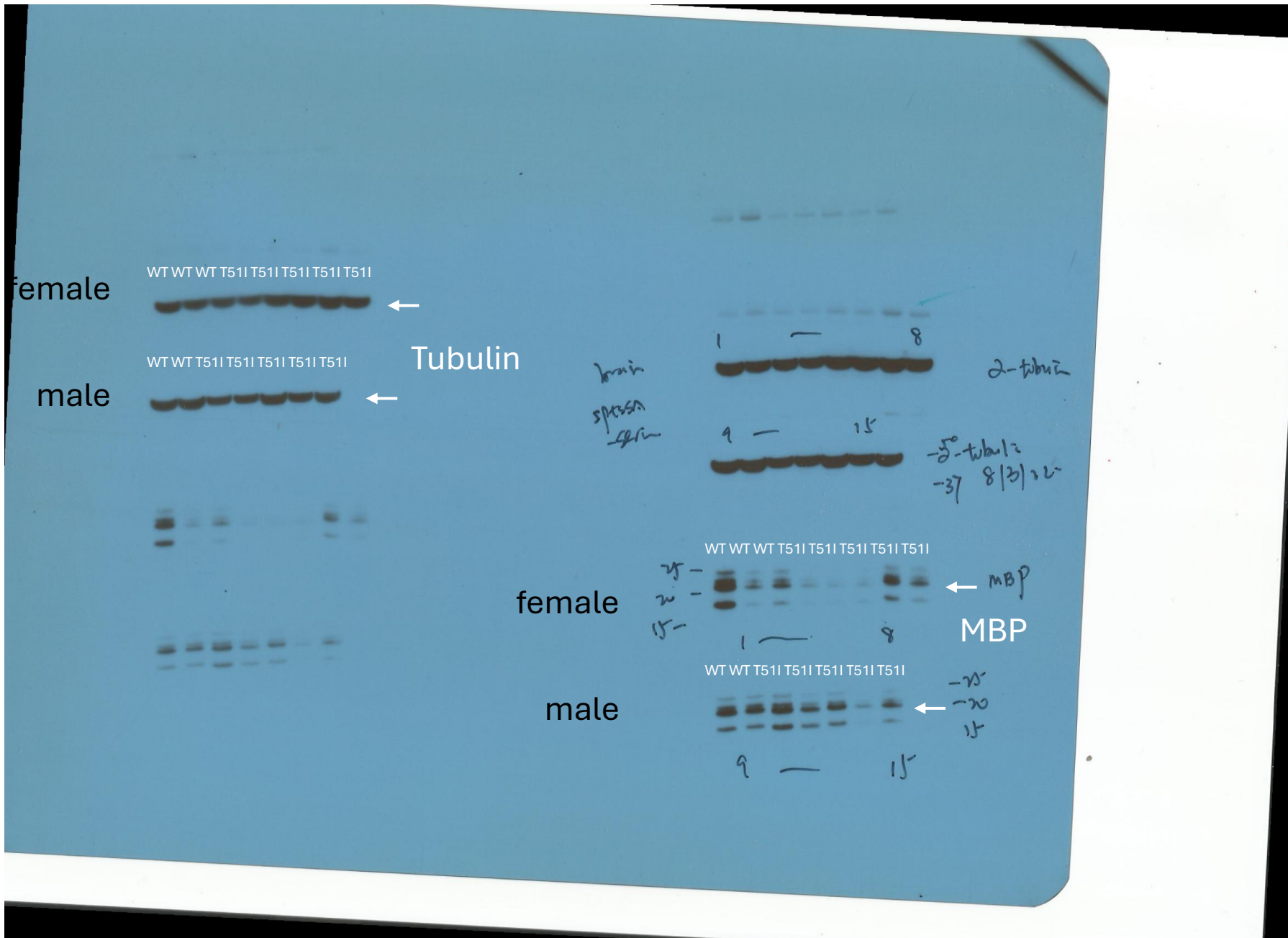
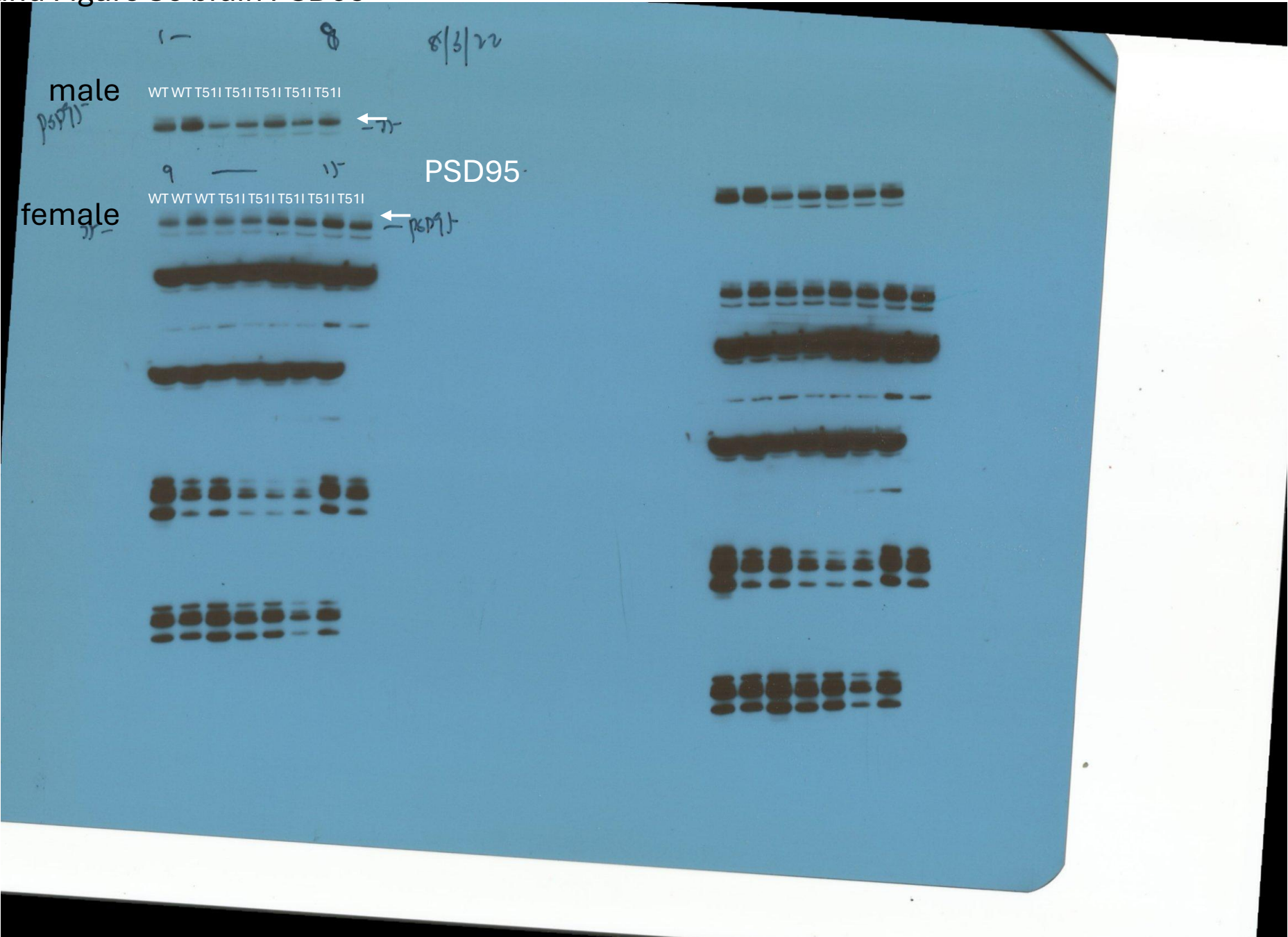


Figure5 and Figure S6 brain PSD95



Western blot analysis showing SYP and SPTSA levels in female and male brain and testes. The blots are divided into two main sections: female (top) and male (bottom). Each section contains two rows of blots. The top row in each section shows SYP levels, and the bottom row shows SPTSA levels. The lanes are labeled as follows:

- Female:**
 - Brain: WT, WT, WT, T51I, T51I, T51I, T51I, T51I
 - Testes: WT, WT, T51I, T51I, T51I, T51I, T51I
- Male:**
 - Brain: WT, WT, WT, T51I, T51I, T51I, T51I, T51I
 - Testes: WT, WT, T51I, T51I, T51I, T51I, T51I

Handwritten labels and arrows indicate the following:

- Female Brain:** SYP (top row), SPTSA (bottom row). Arrows point to the SYP and SPTSA bands.
- Female Testes:** SYP (top row), SPTSA (bottom row). Arrows point to the SYP and SPTSA bands.
- Male Brain:** SYP (top row), SPTSA (bottom row). Arrows point to the SYP and SPTSA bands.
- Male Testes:** SYP (top row), SPTSA (bottom row). Arrows point to the SYP and SPTSA bands.

Figure5 and Figure S6 brain MOG

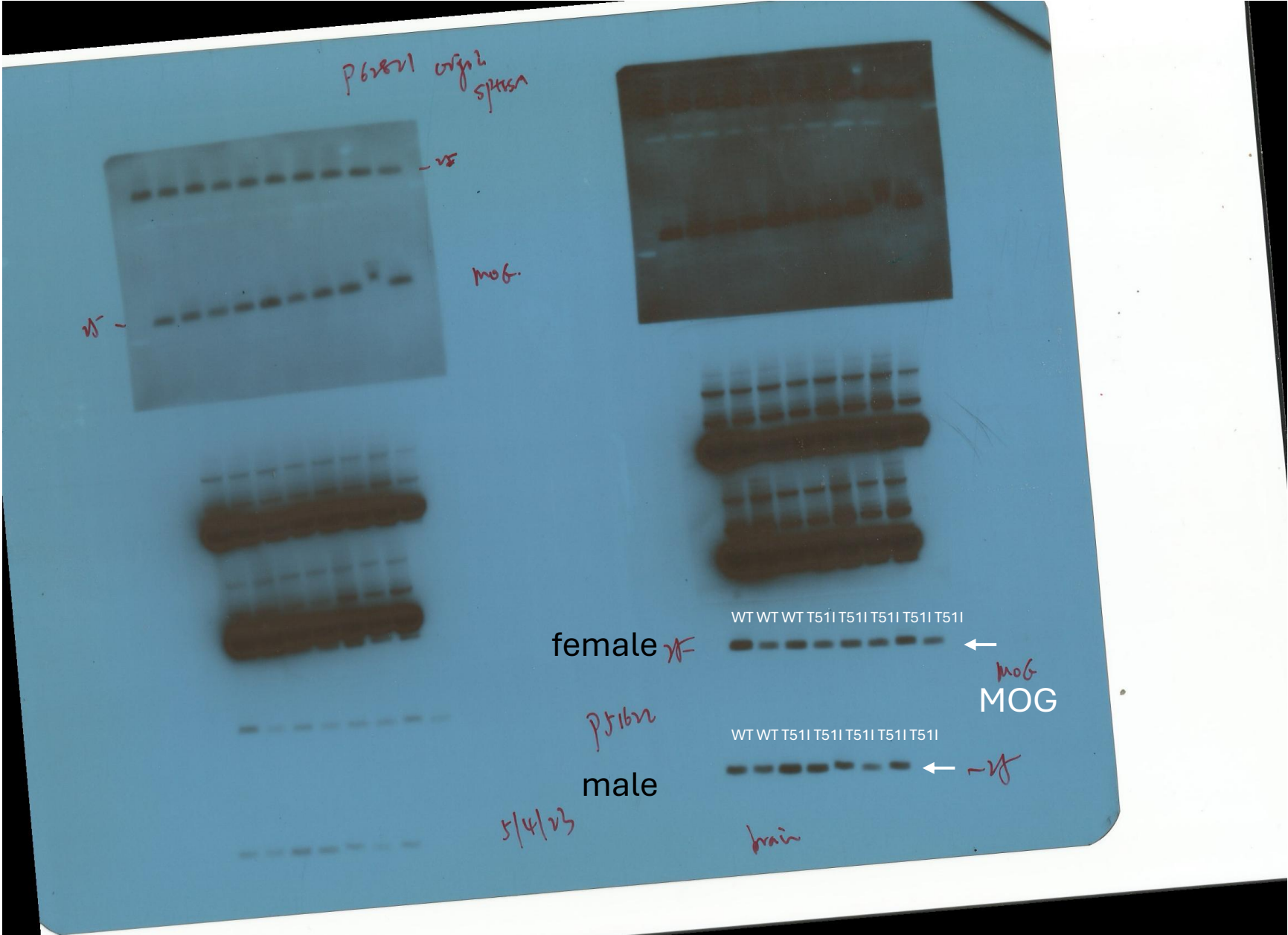


Figure5 and Figure S6 brain Actin

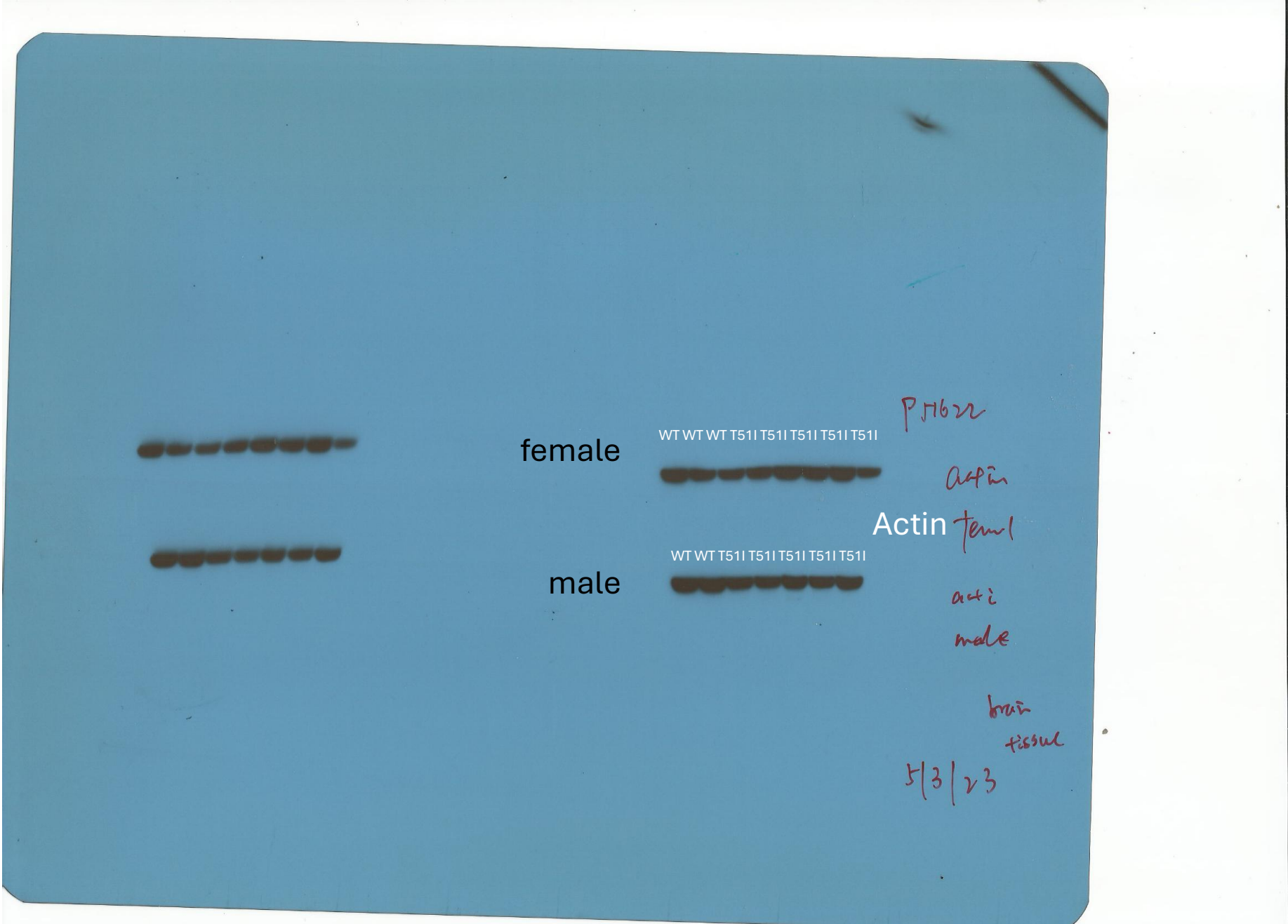


Figure5 and Figure S6 SC GRP78

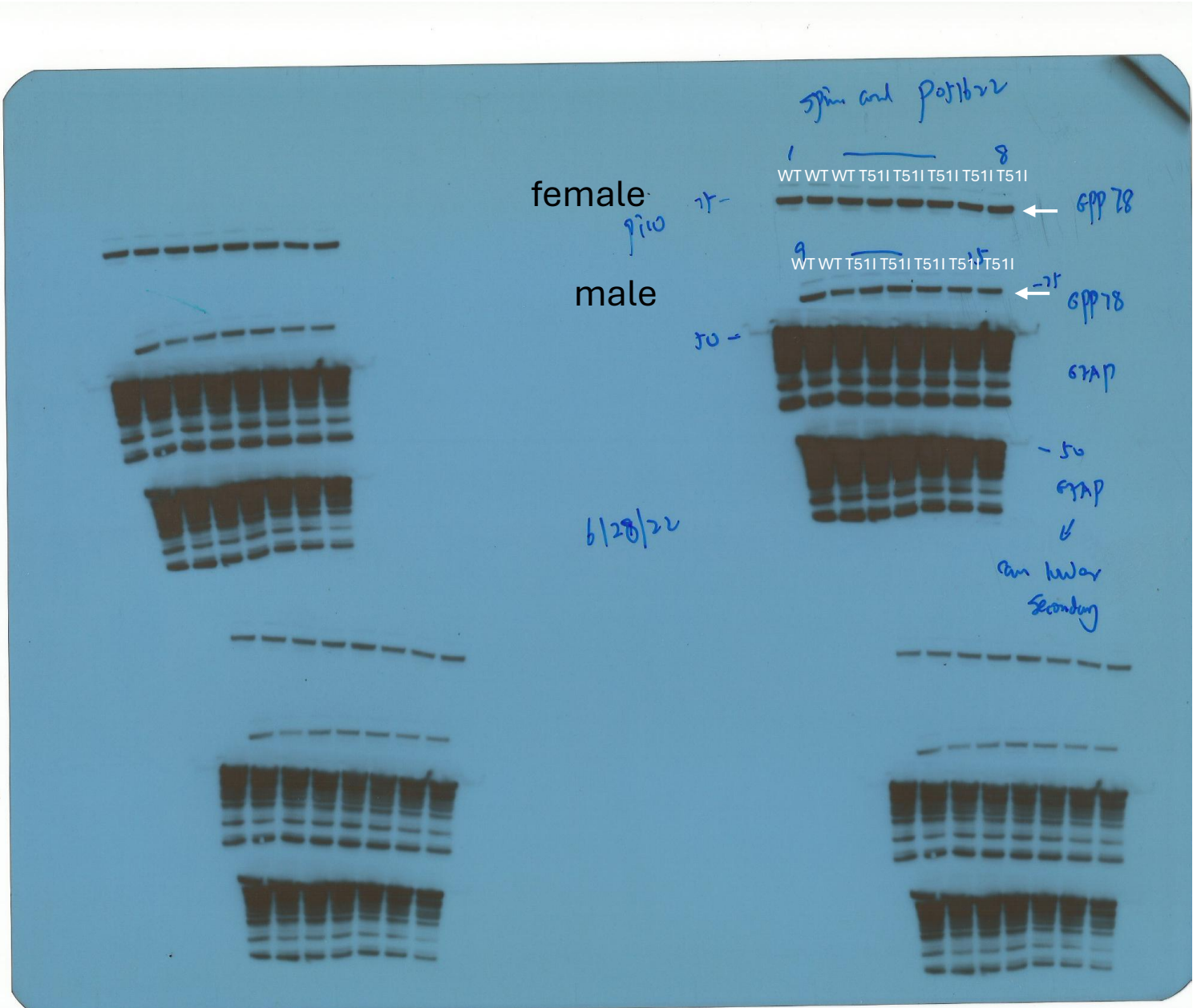


Figure5 and Figure S6 SC GFAP

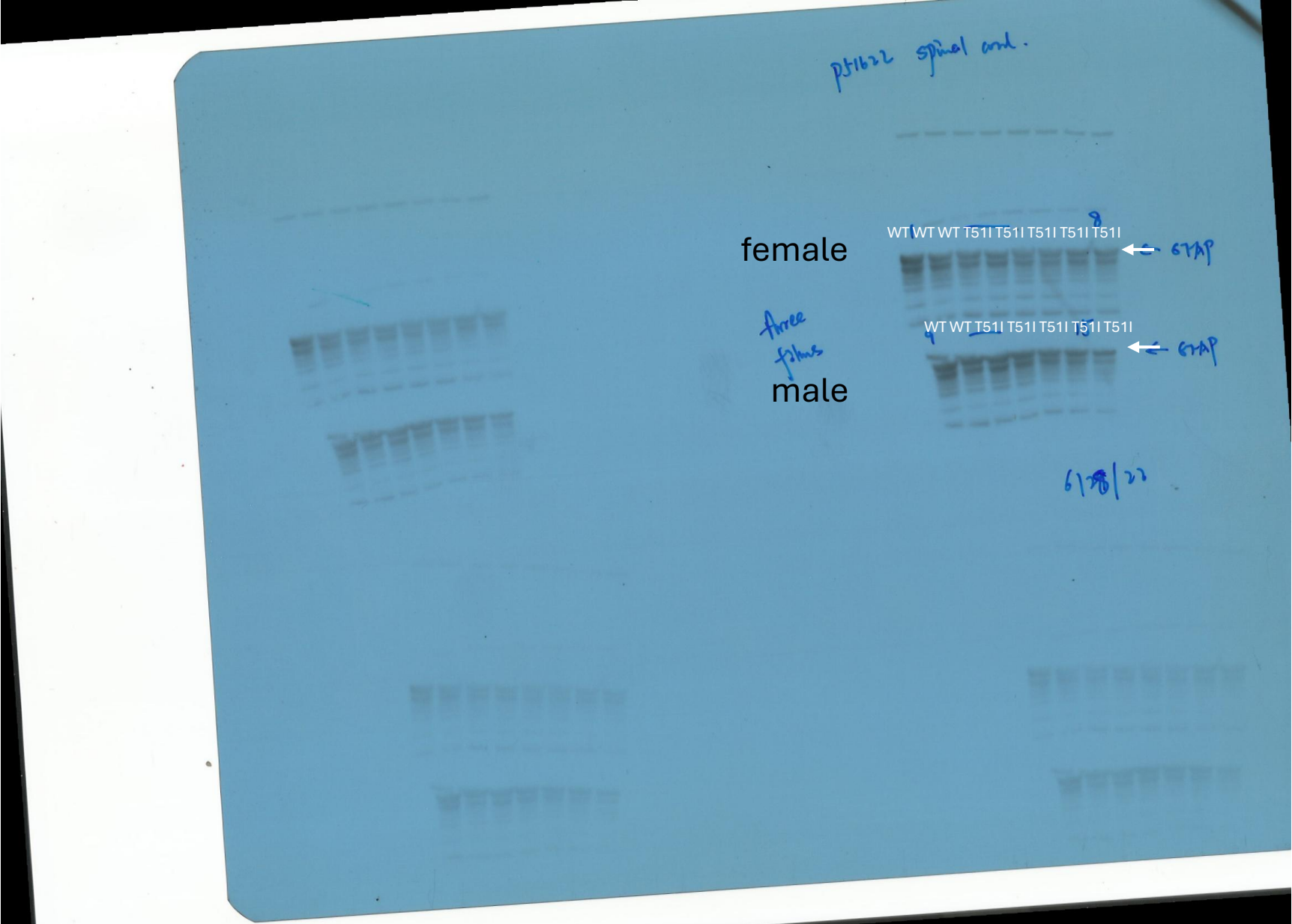


Figure5 and Figure S6 SC IBA1

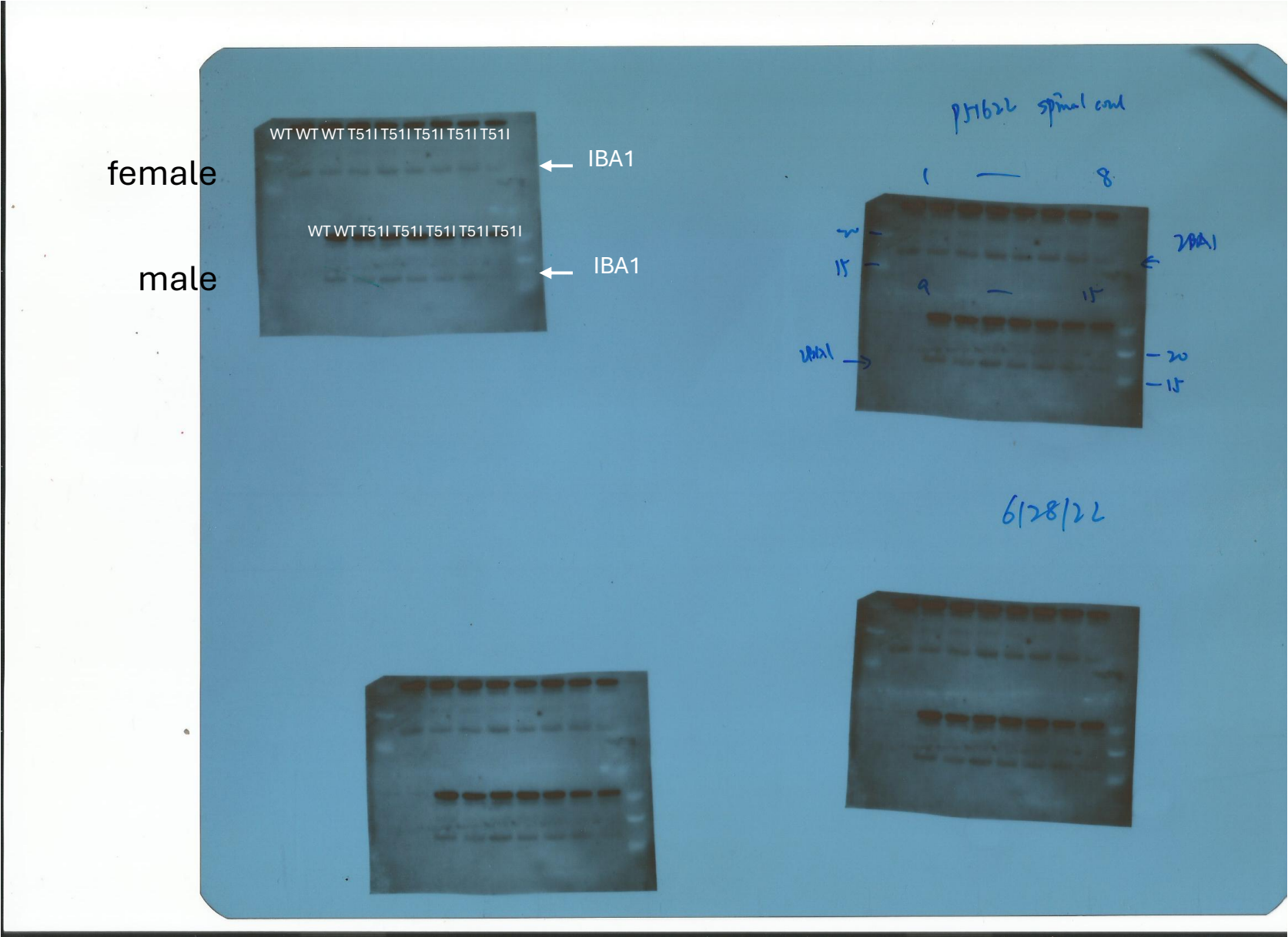


Figure5 and Figure S6 SC SYP

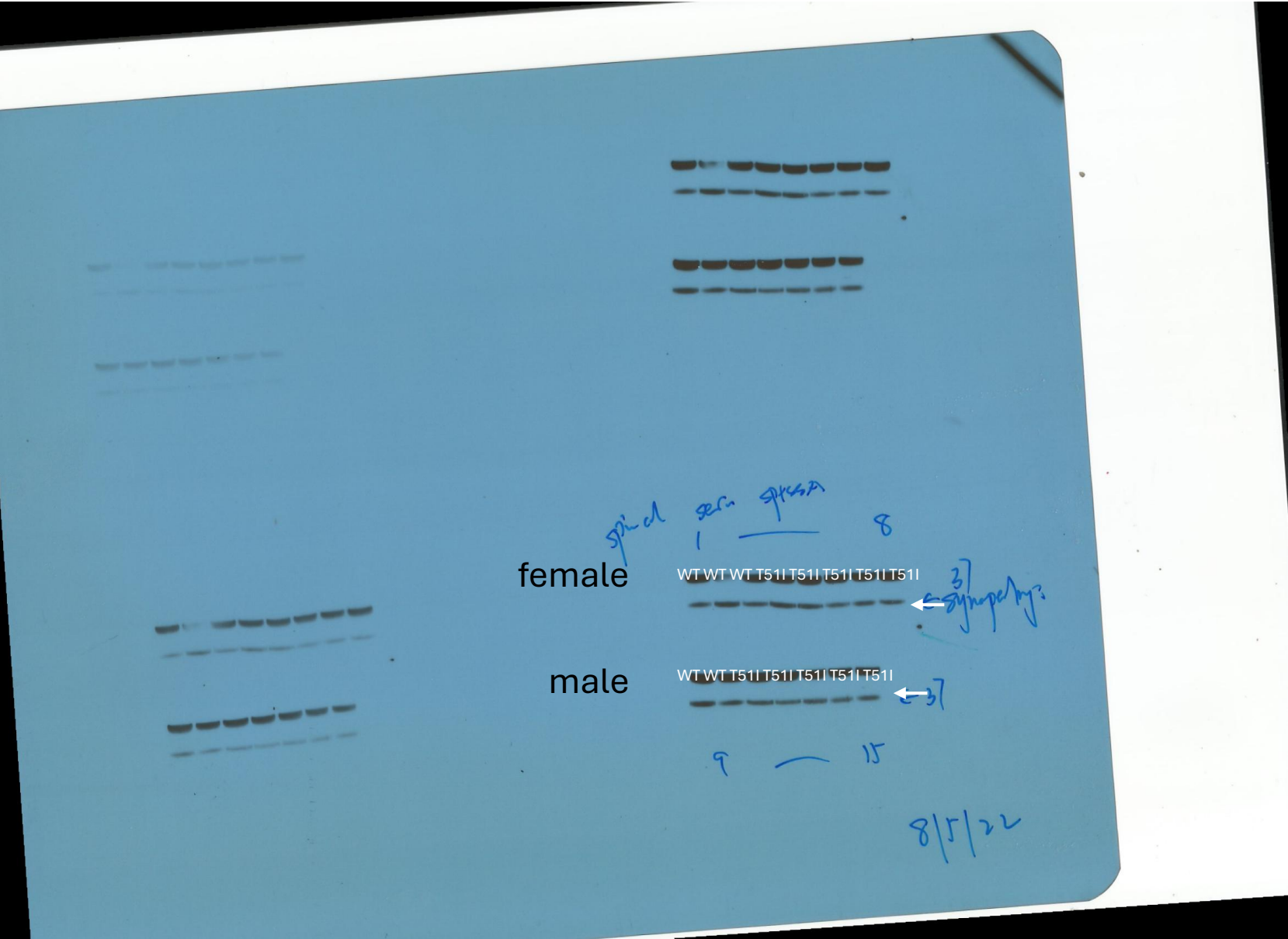


Figure5 and Figure S6 SC MBP

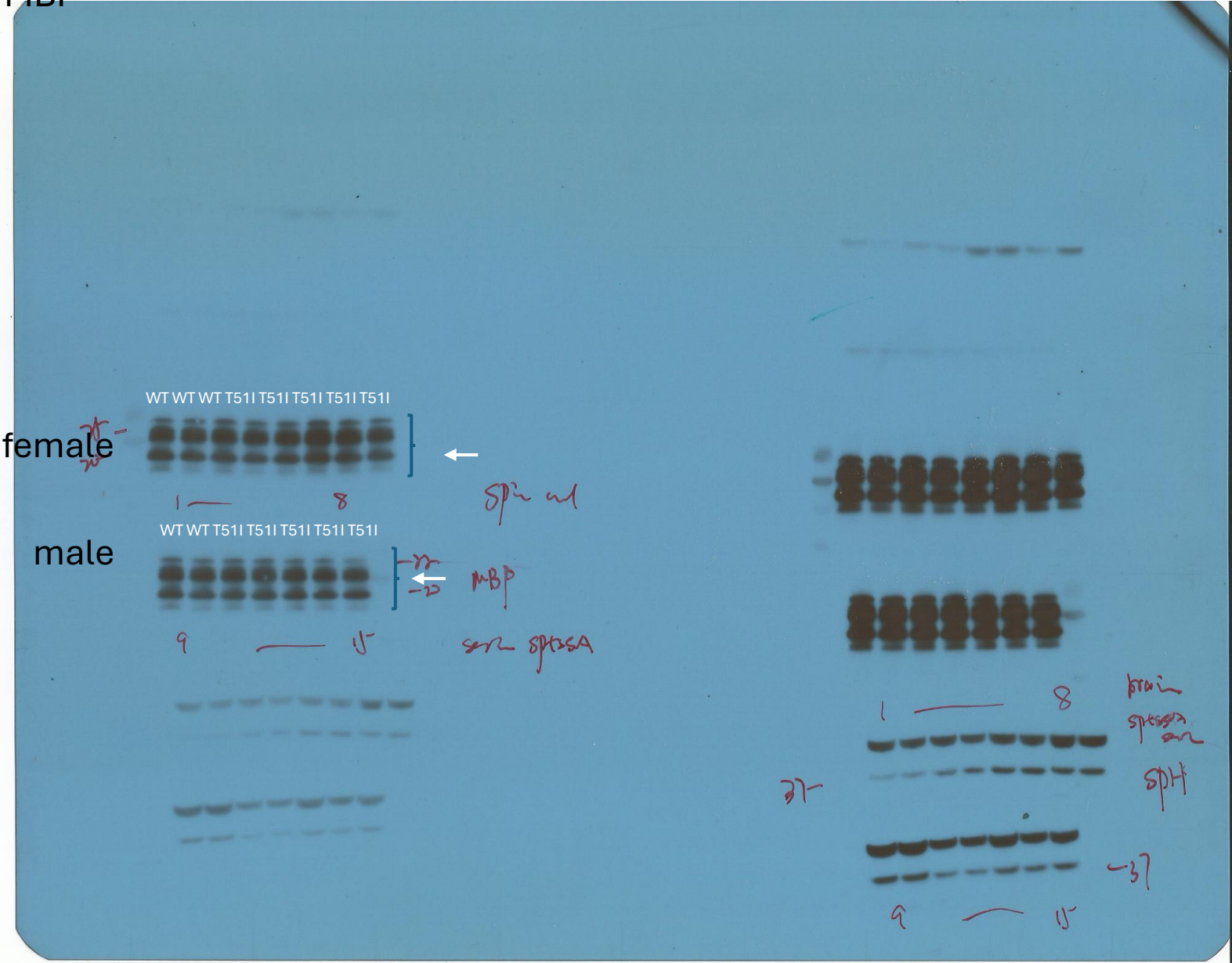


Figure5 SC GADPH

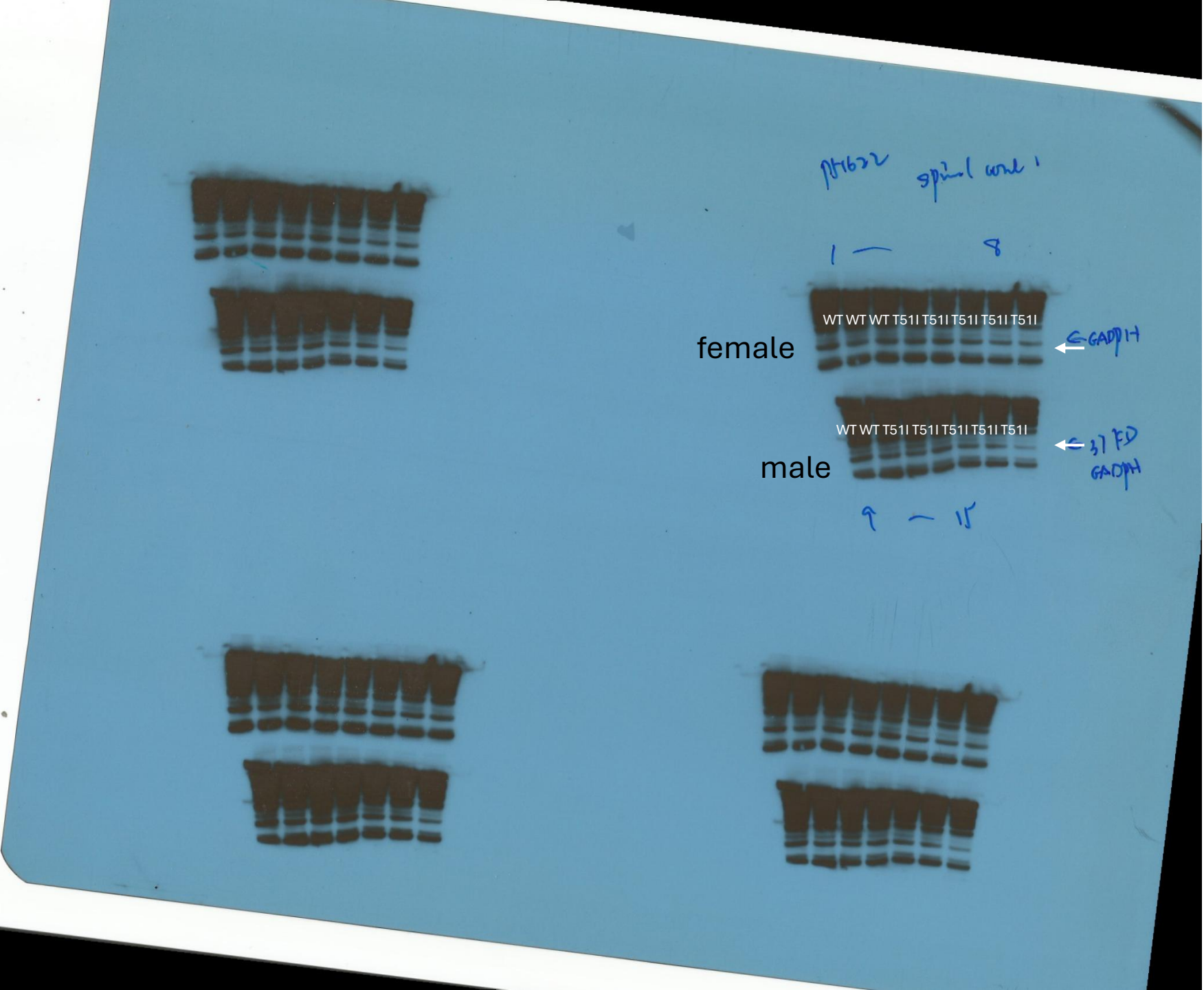


Figure5 SC and Figure S6 GADPH repeat



Figure5 SC and Figure S6 PSD95

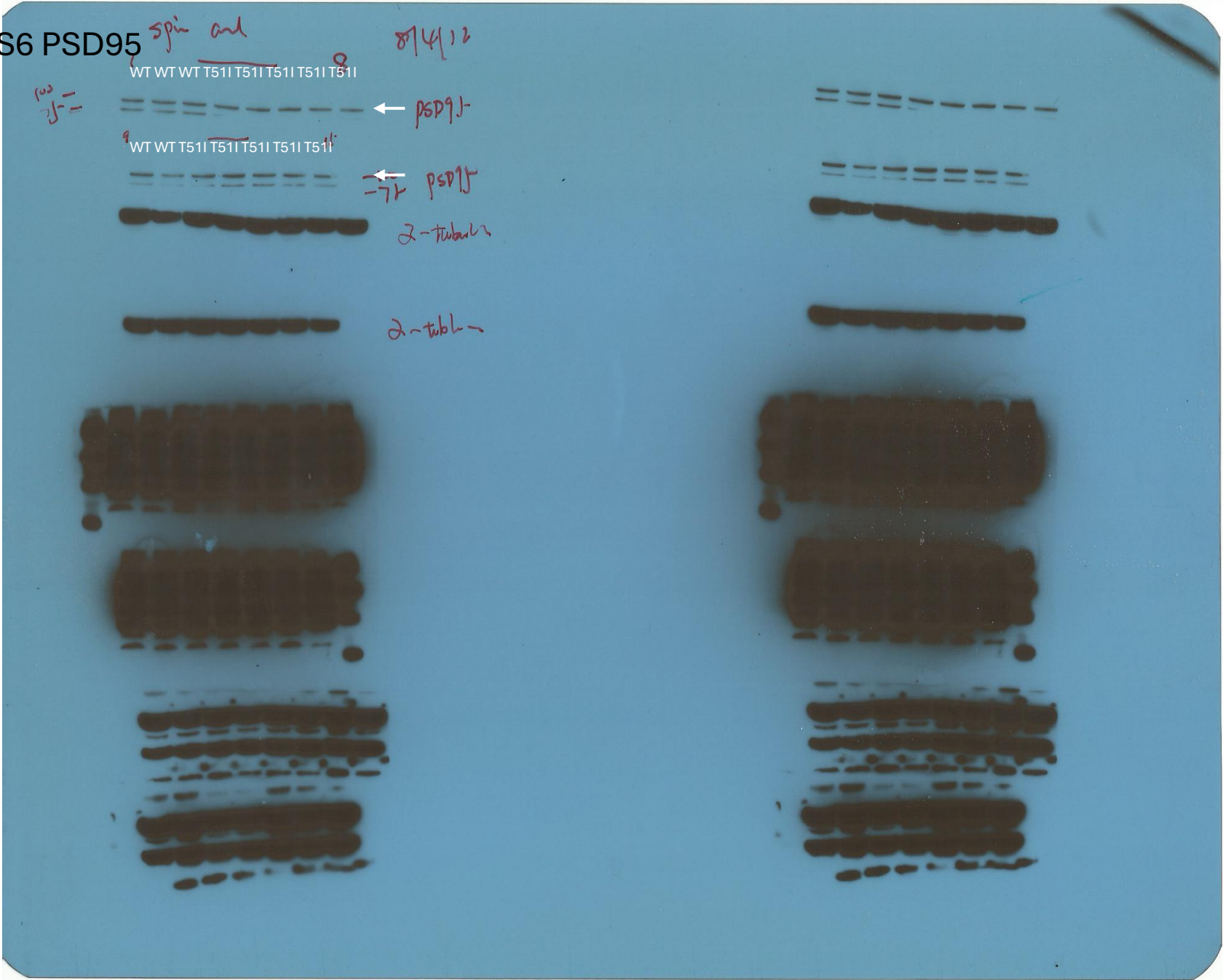


Figure5 SC A-Tubulin

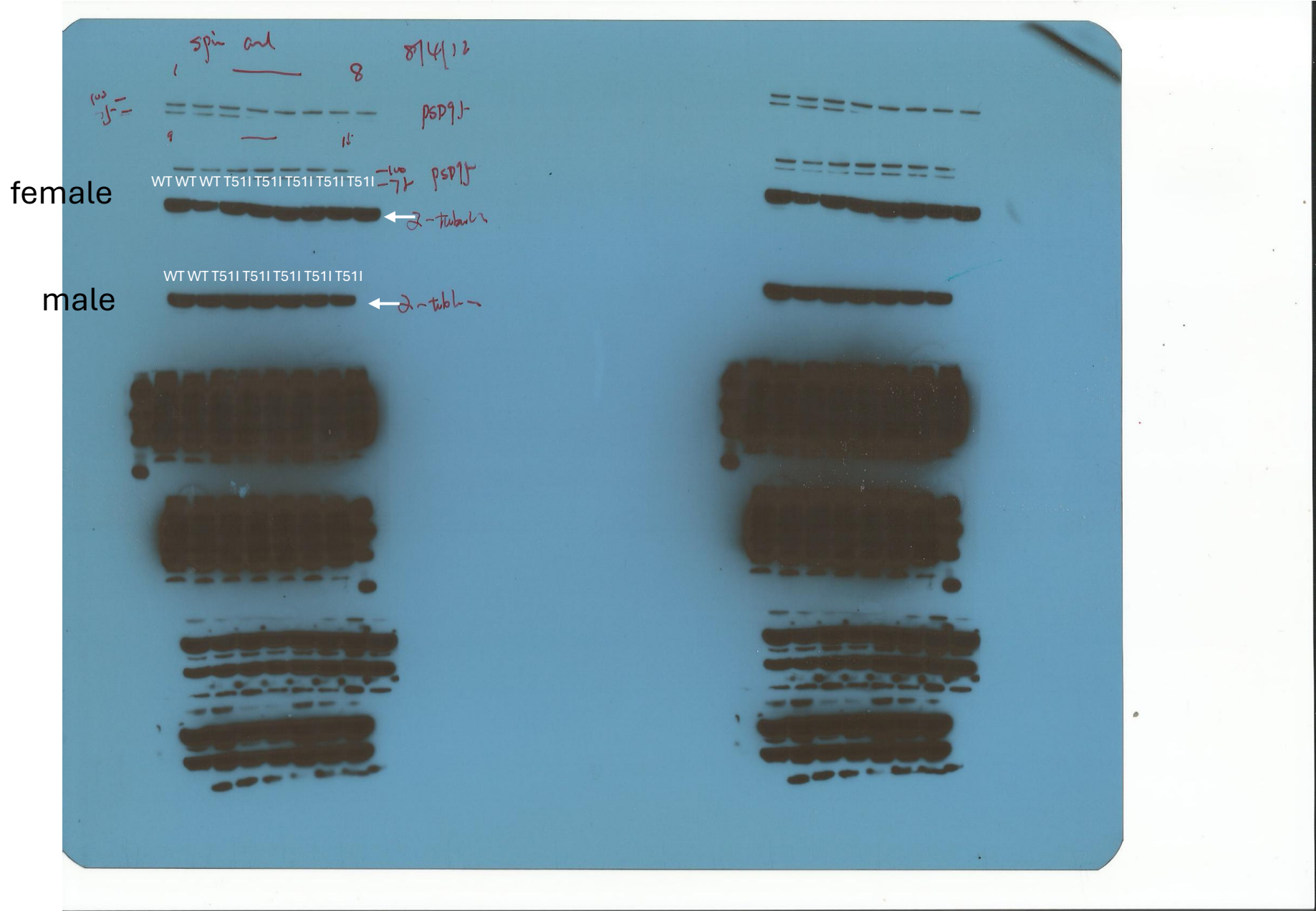


Figure5 SC and Figure S6 MOG

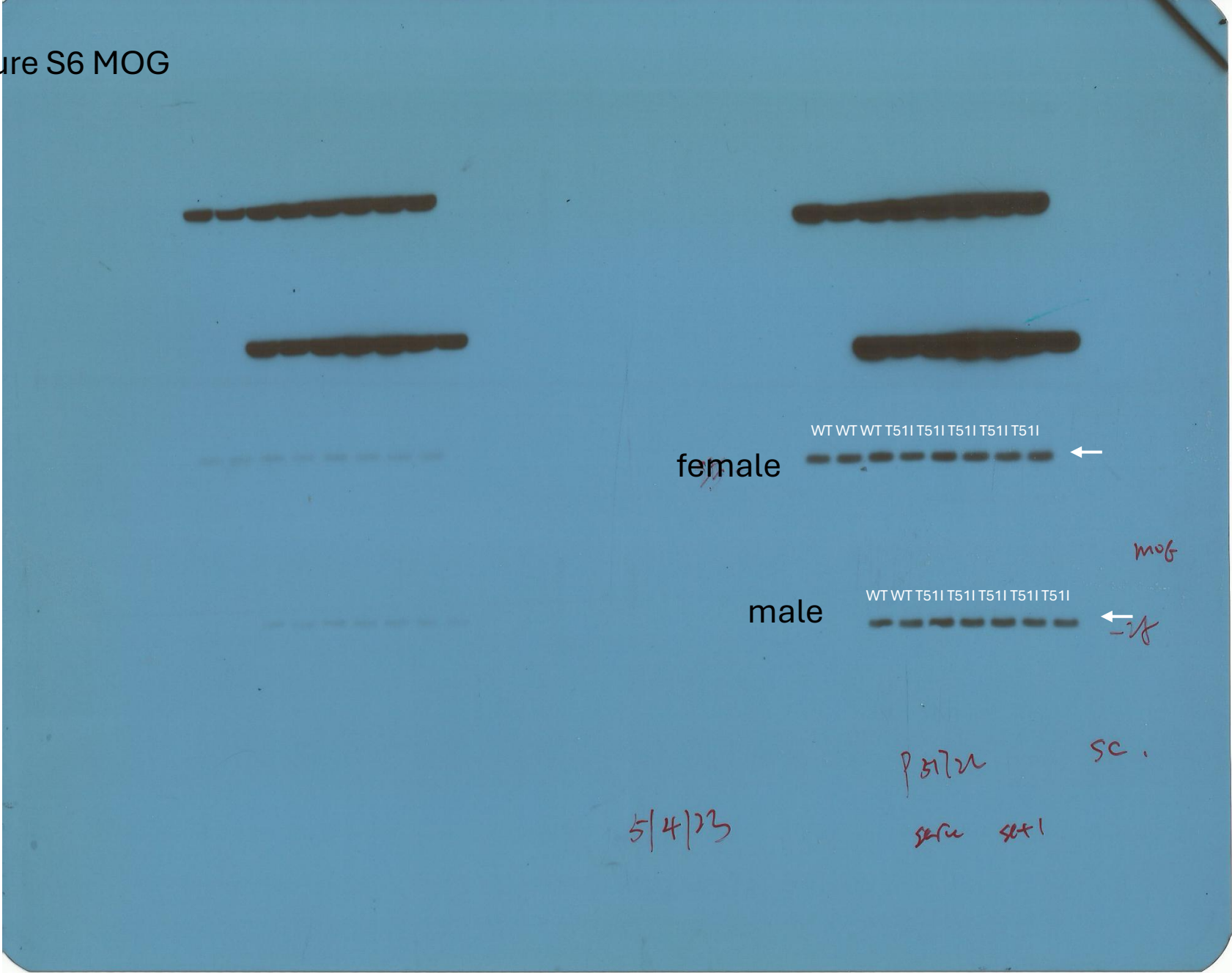


Figure5 and Figure S6 SC ACTIN

