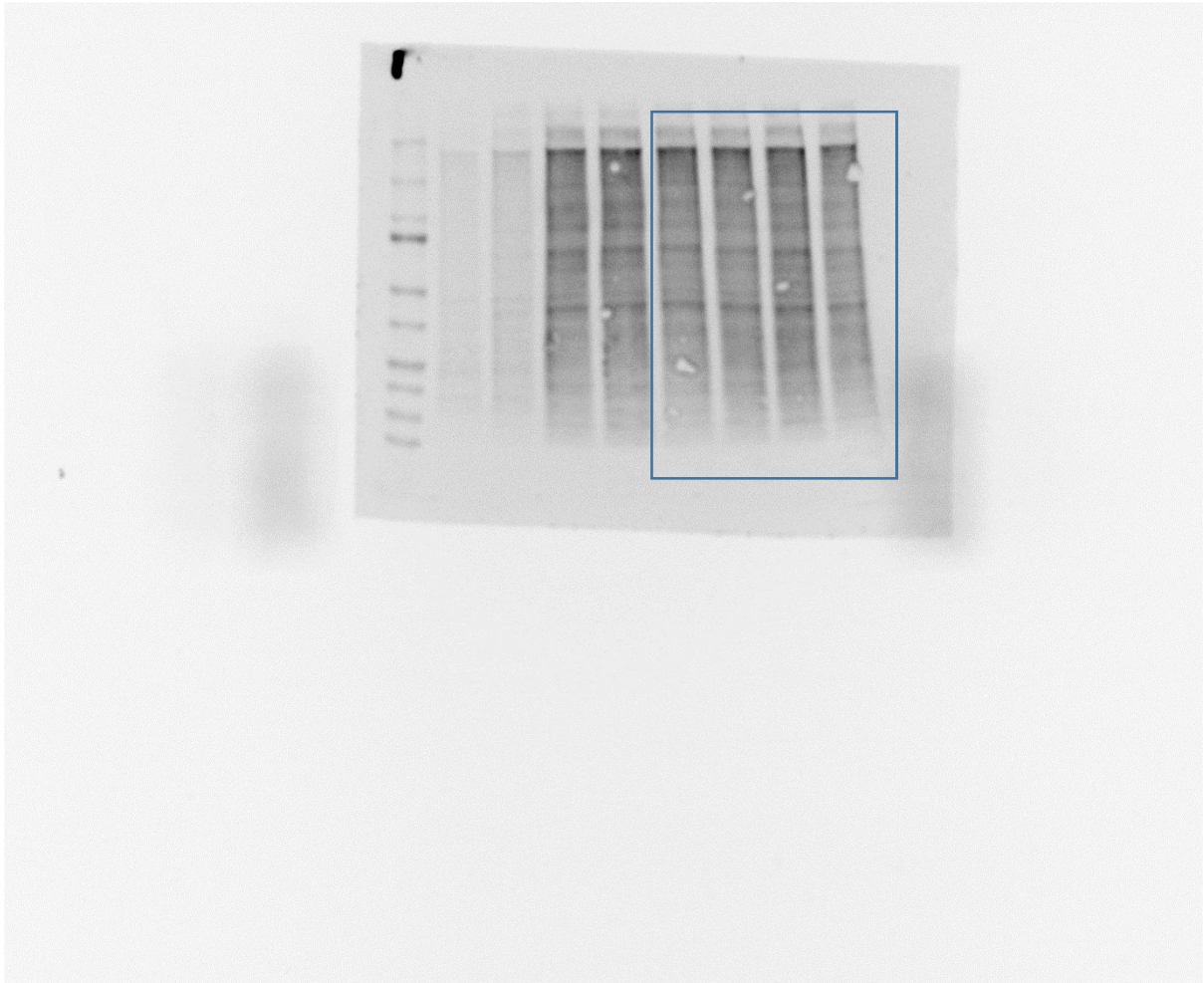


Title: A cell-based evaluation of a non-essential amino acid formulation as a non-bioactive control for activation and stimulation of muscle protein synthesis using *ex vivo* human serum

Authors: Bijal Patel^{a,b,c}, Martina Pauk^{a,b,c}, Miryam Amigo-Benavent^{a,b,c,d}, Alice B. Nongonierma^{a,e}, Richard J. Fitzgerald^{a,e}, Philip M. Jakeman^{a,b,c,d}, Brian P. Carson^{a,b,c,d}.

Original Western Blot Images



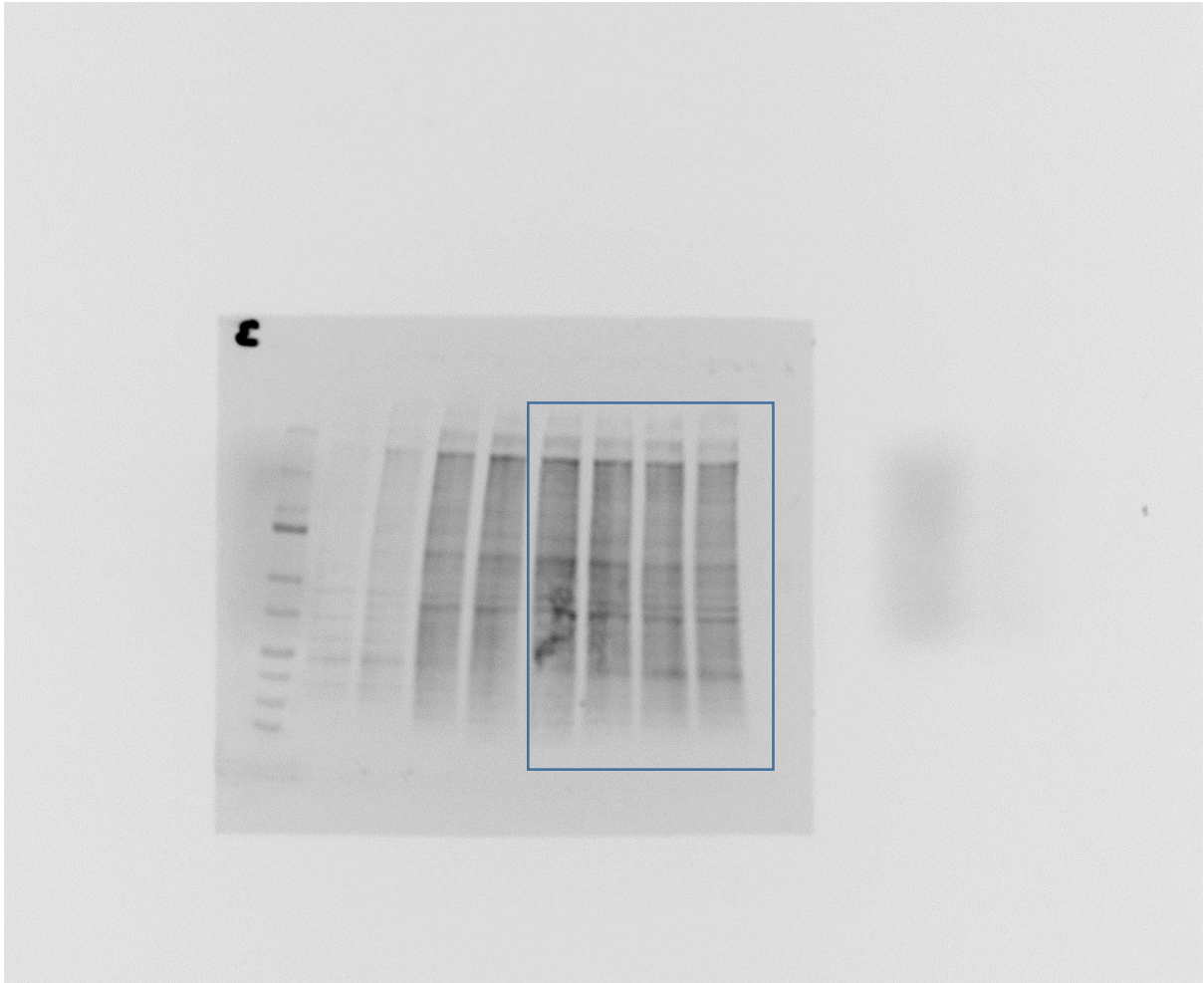
Puromycin Participant 1

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



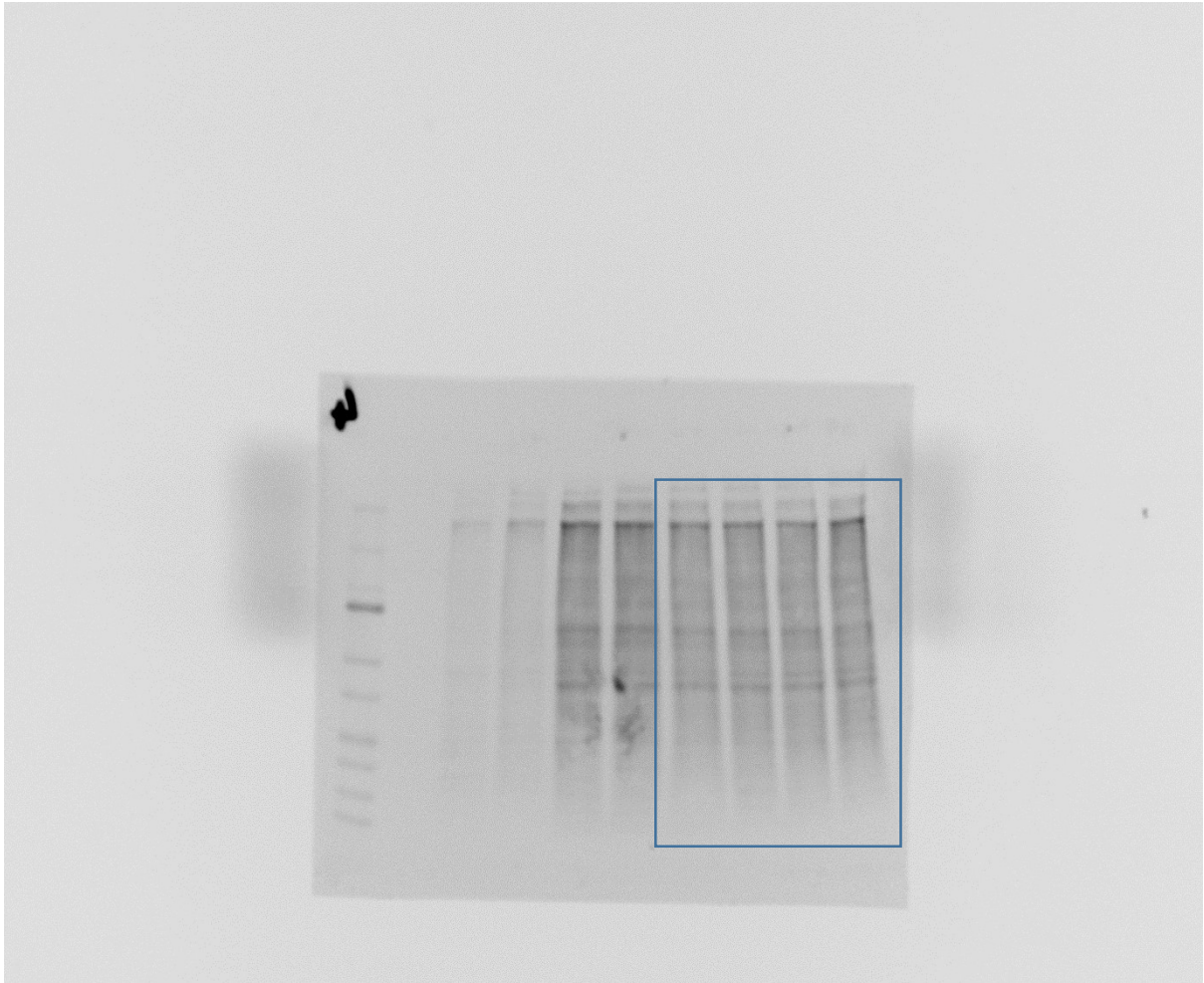
Puromycin Participant 2

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



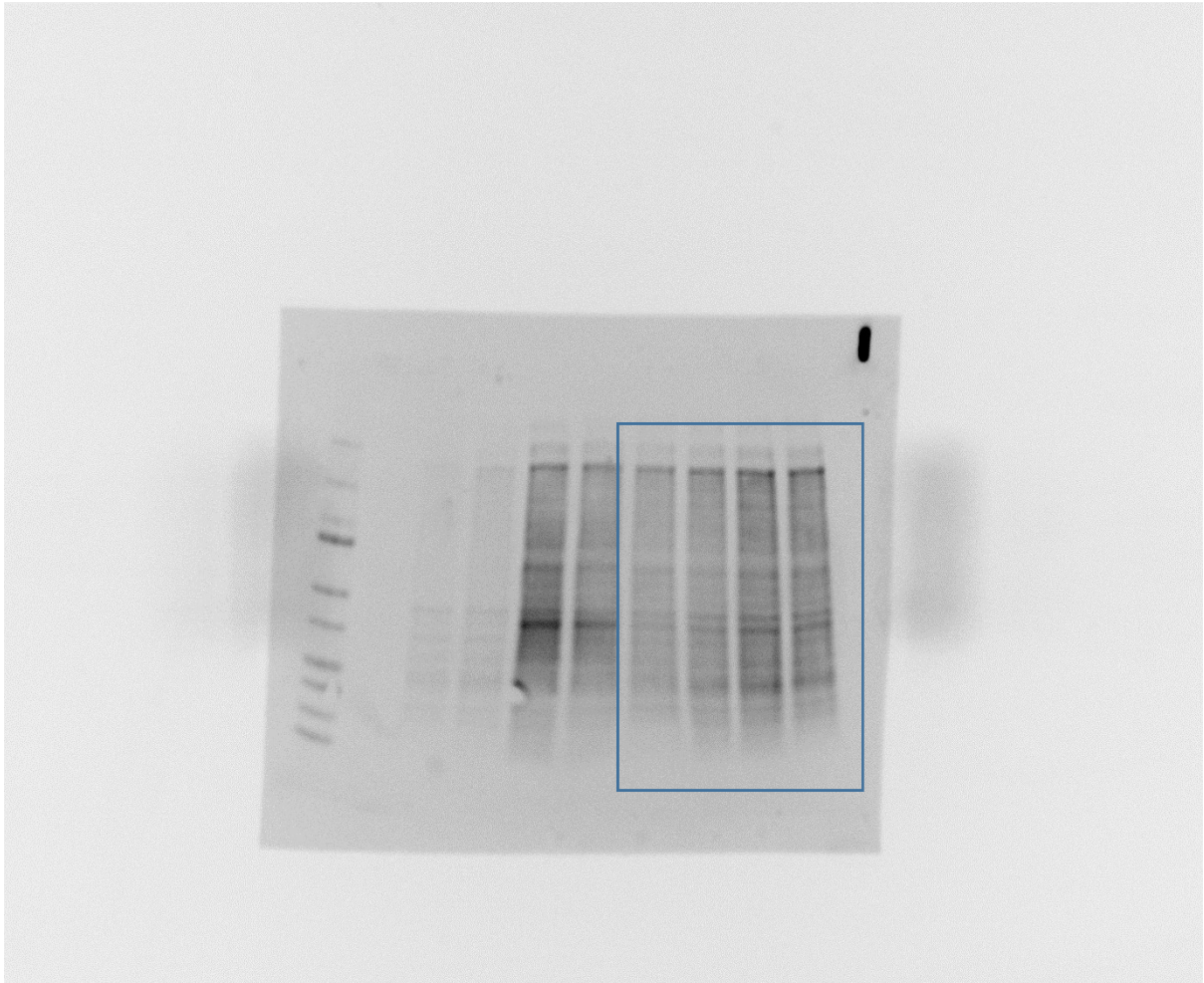
Puromycin Participant 3

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



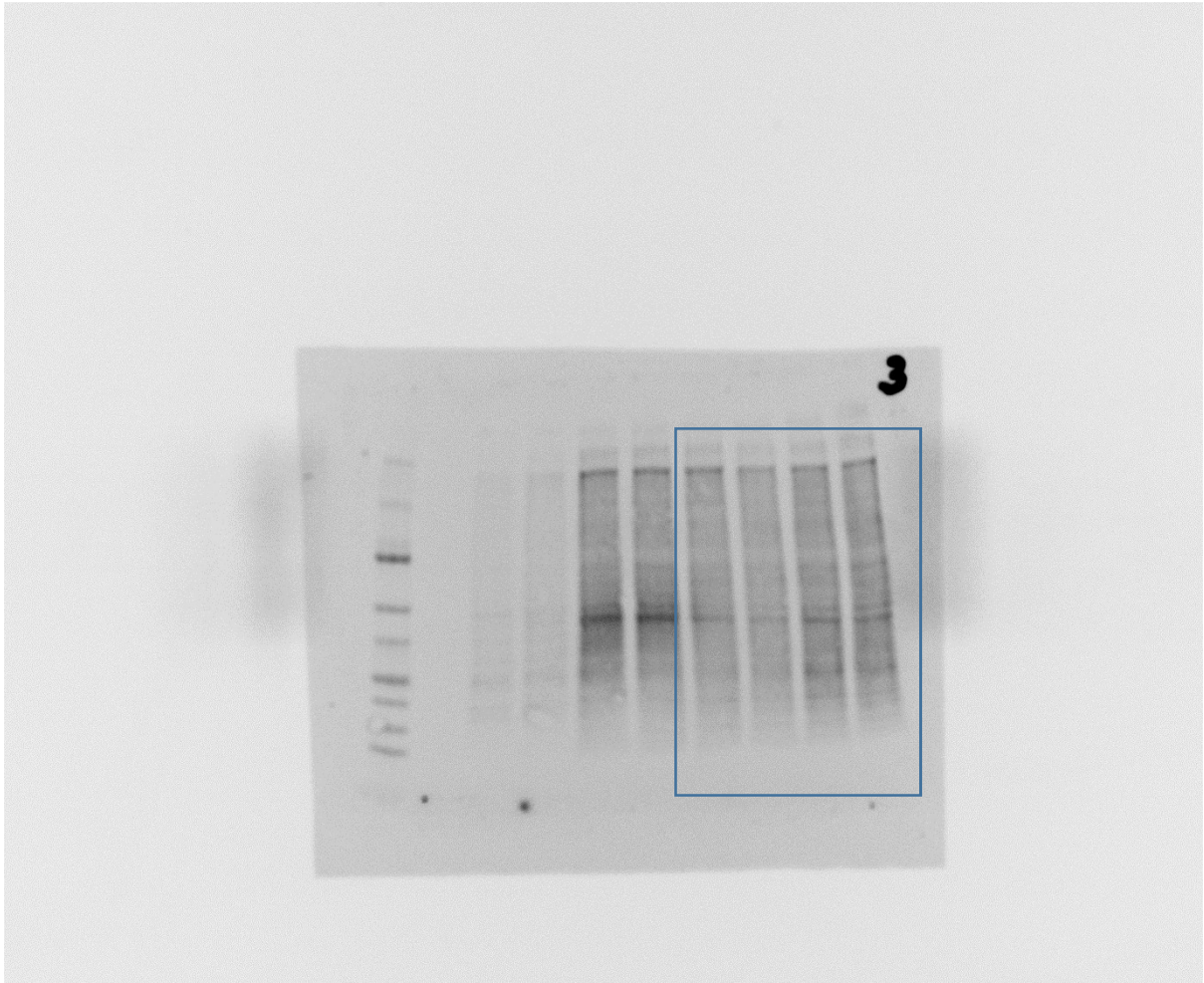
Puromycin Participant 4

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



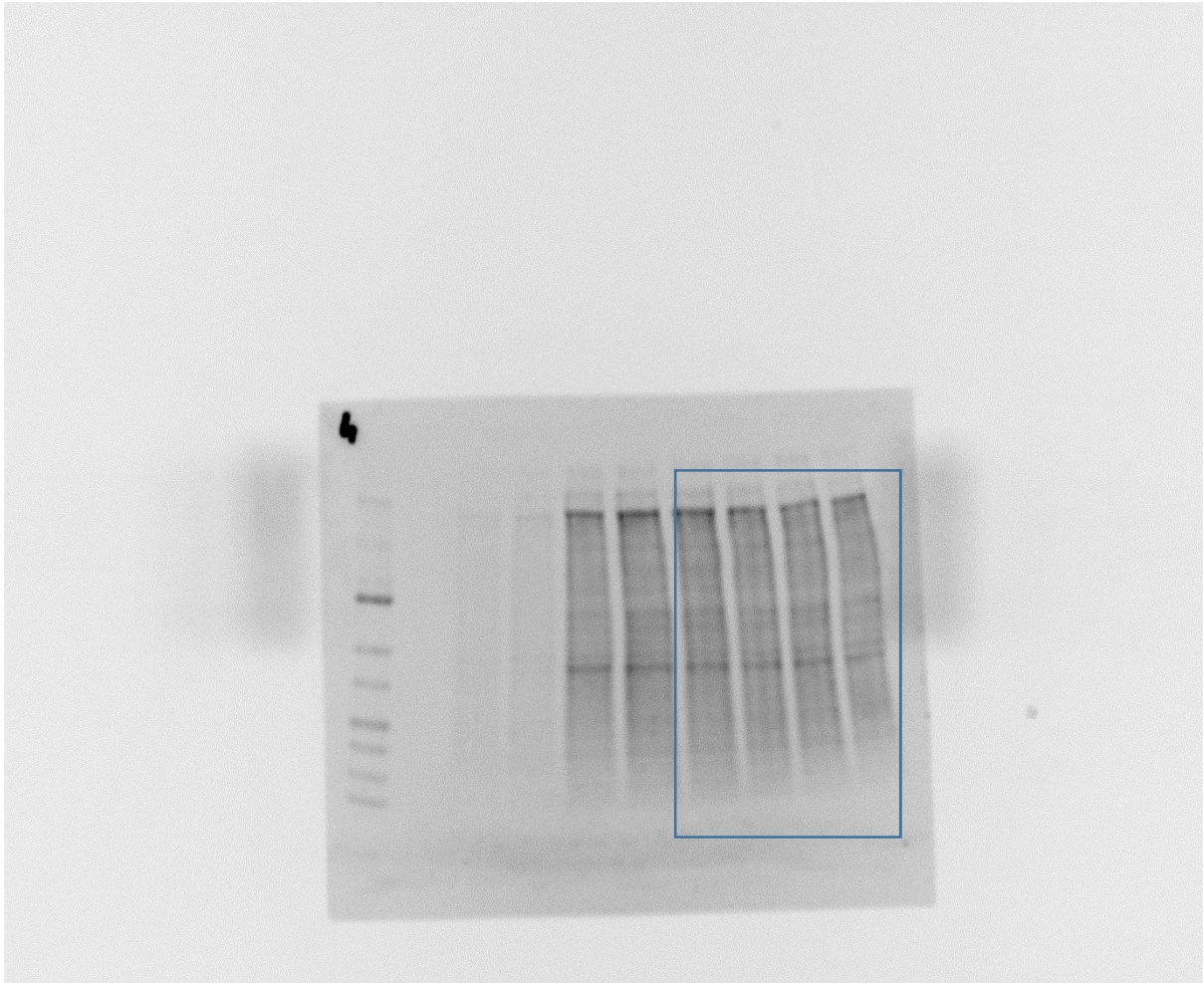
Puromycin Participant 5

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



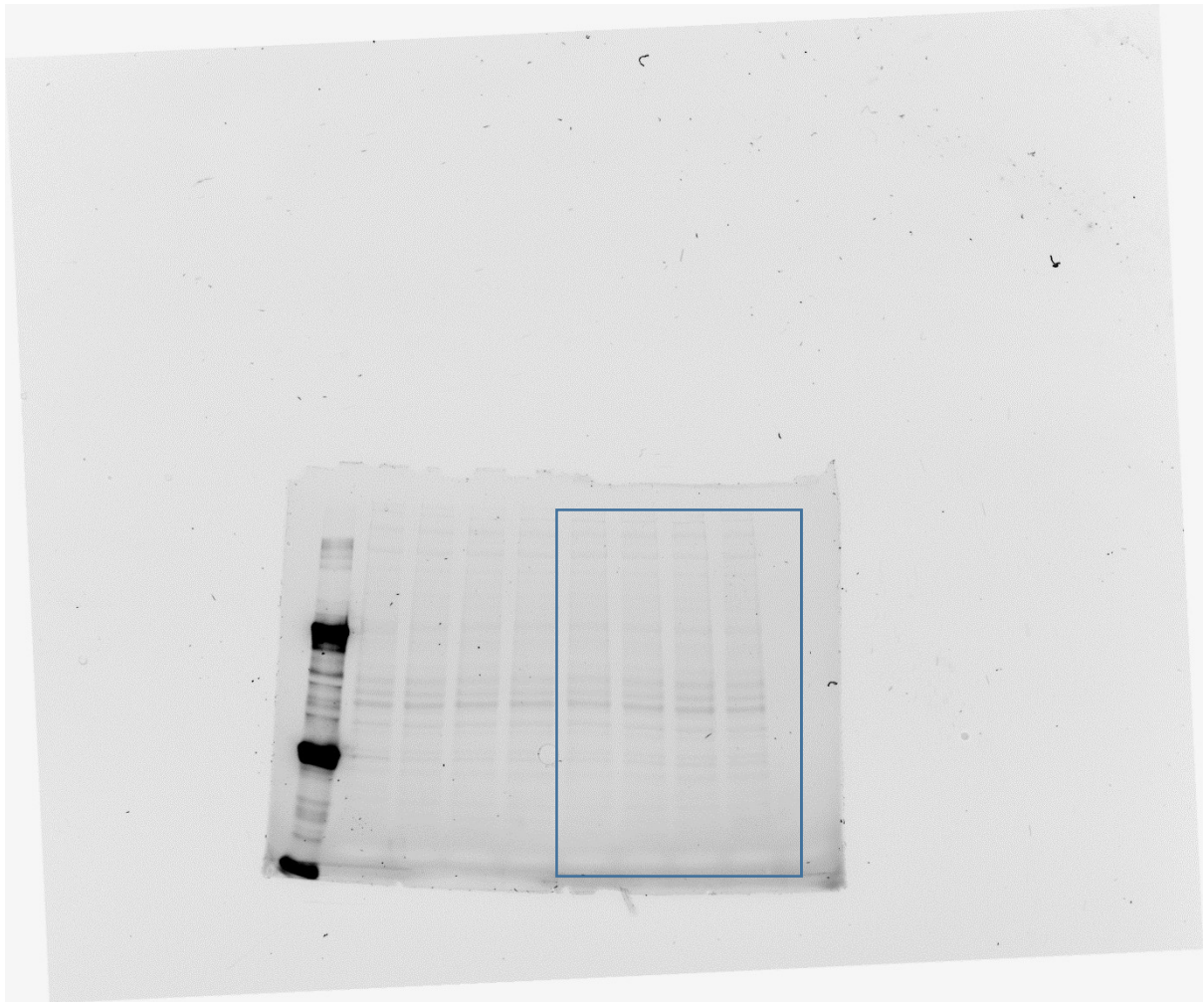
Puromycin Participant 6

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



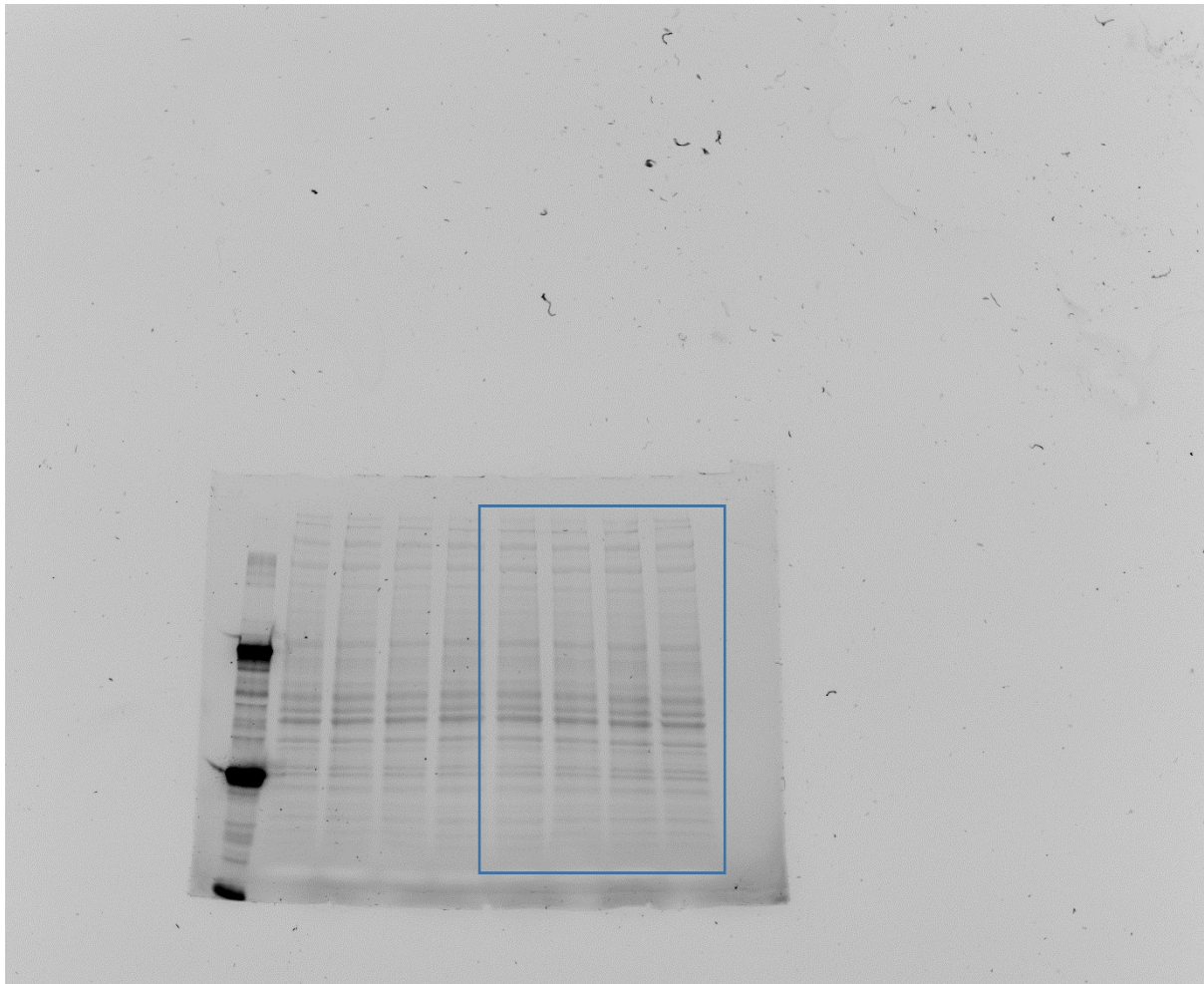
Total Protein Loading Control Participant 1 (Stain-free activated gel)

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



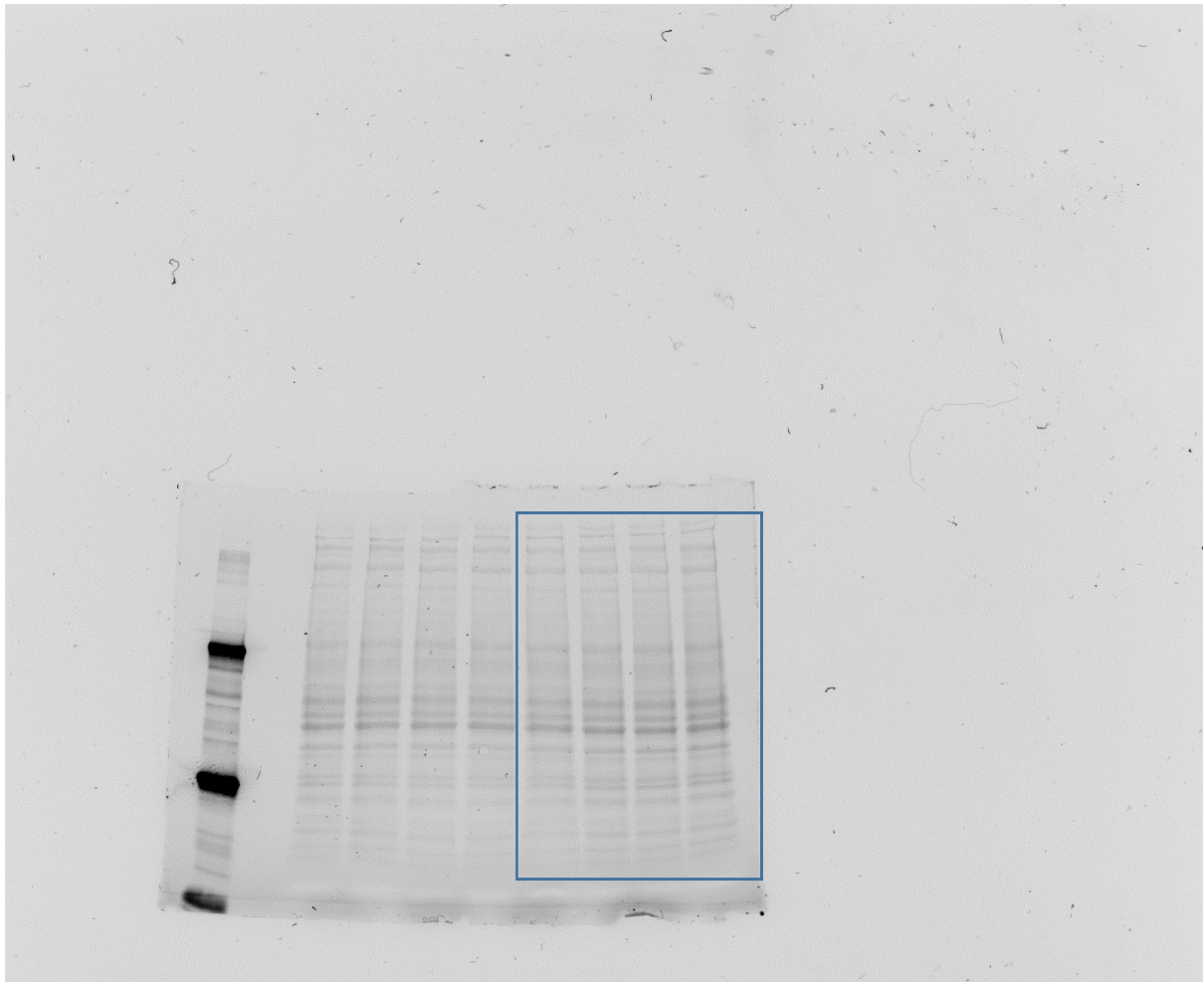
Total Protein Loading Control Participant 2 (Stain-free activated gel)

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



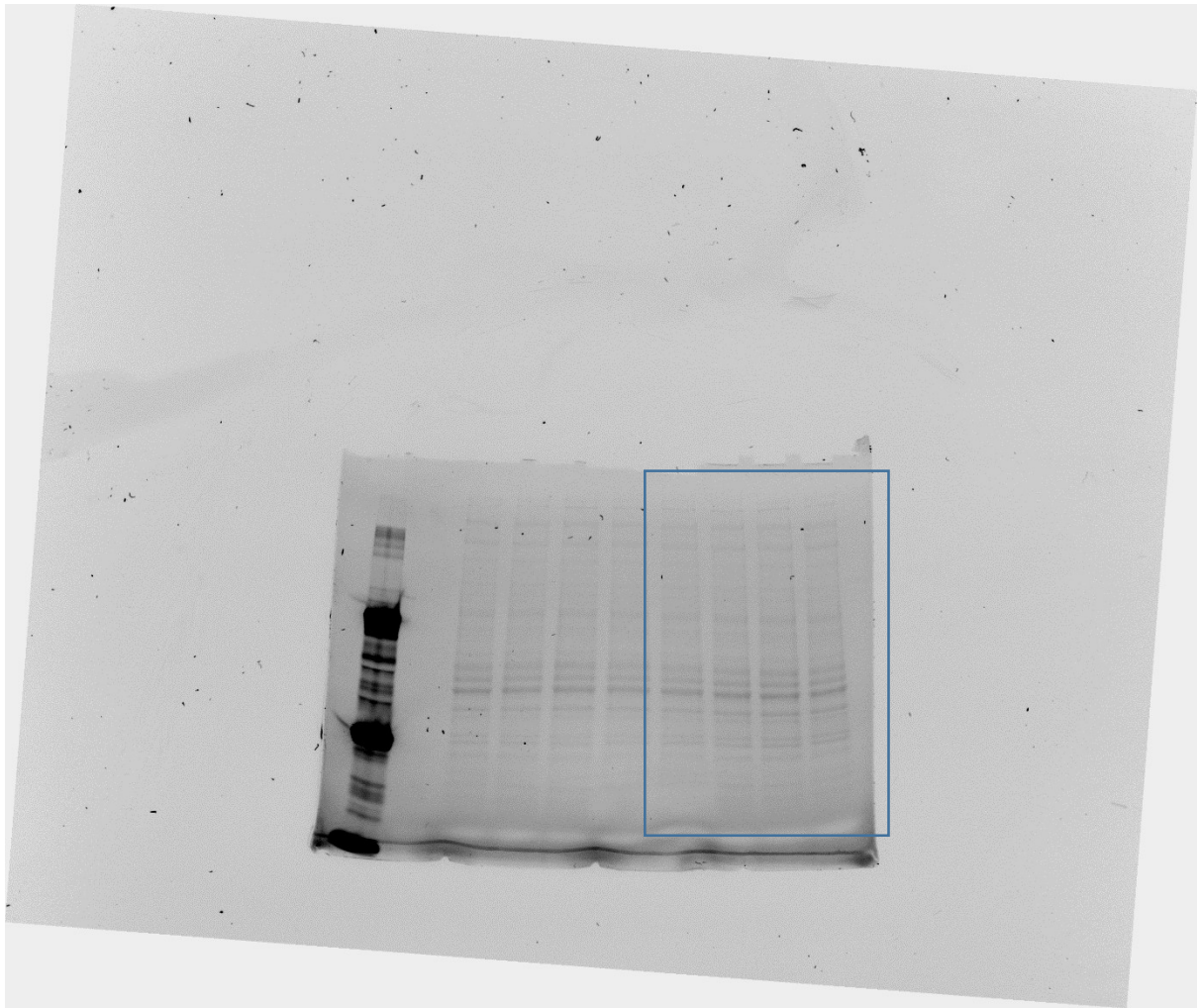
Total Protein Loading Control Participant 3 (Stain-free activated gel)

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



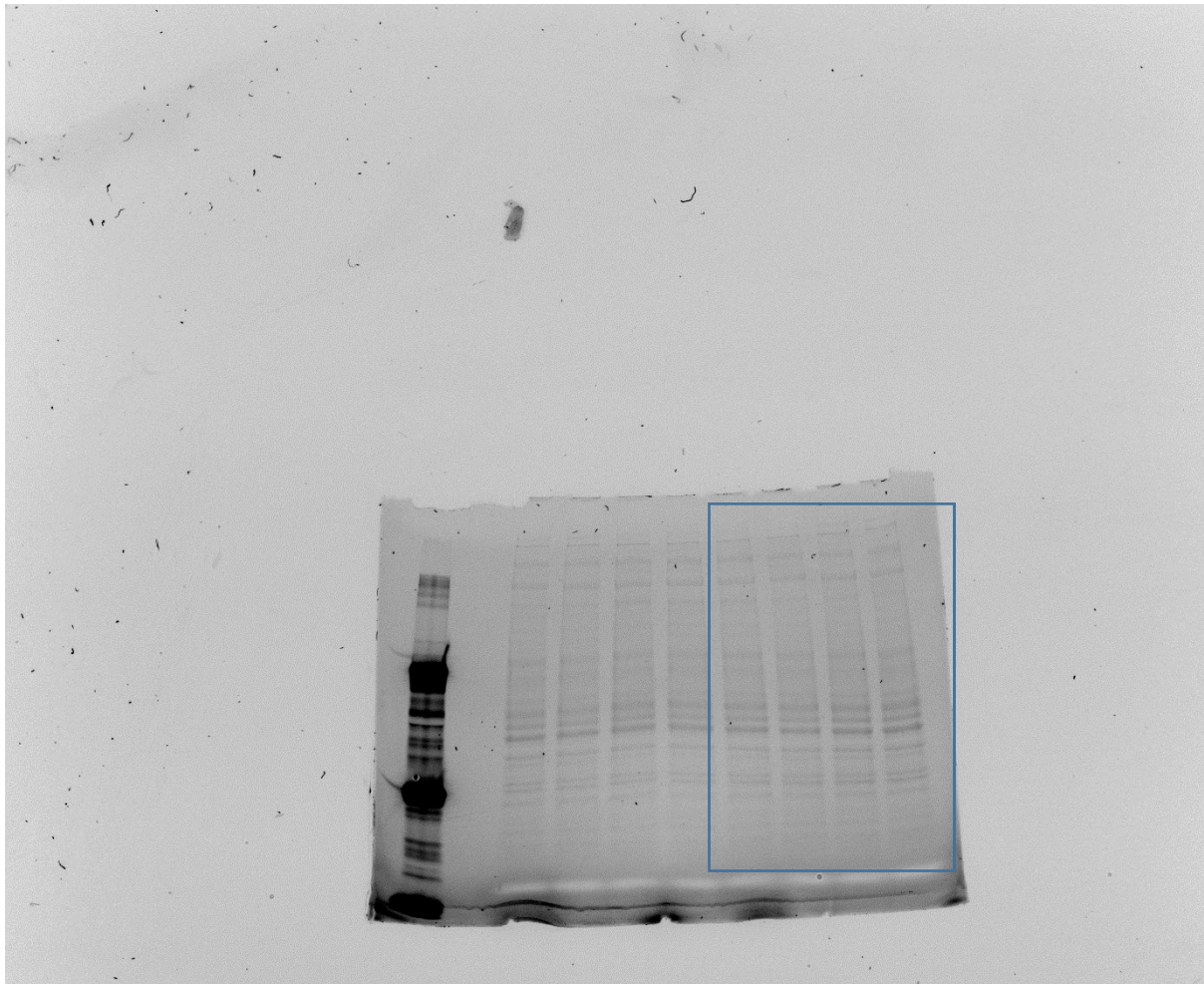
Total Protein Loading Control Participant 4 (Stain-free activated gel)

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



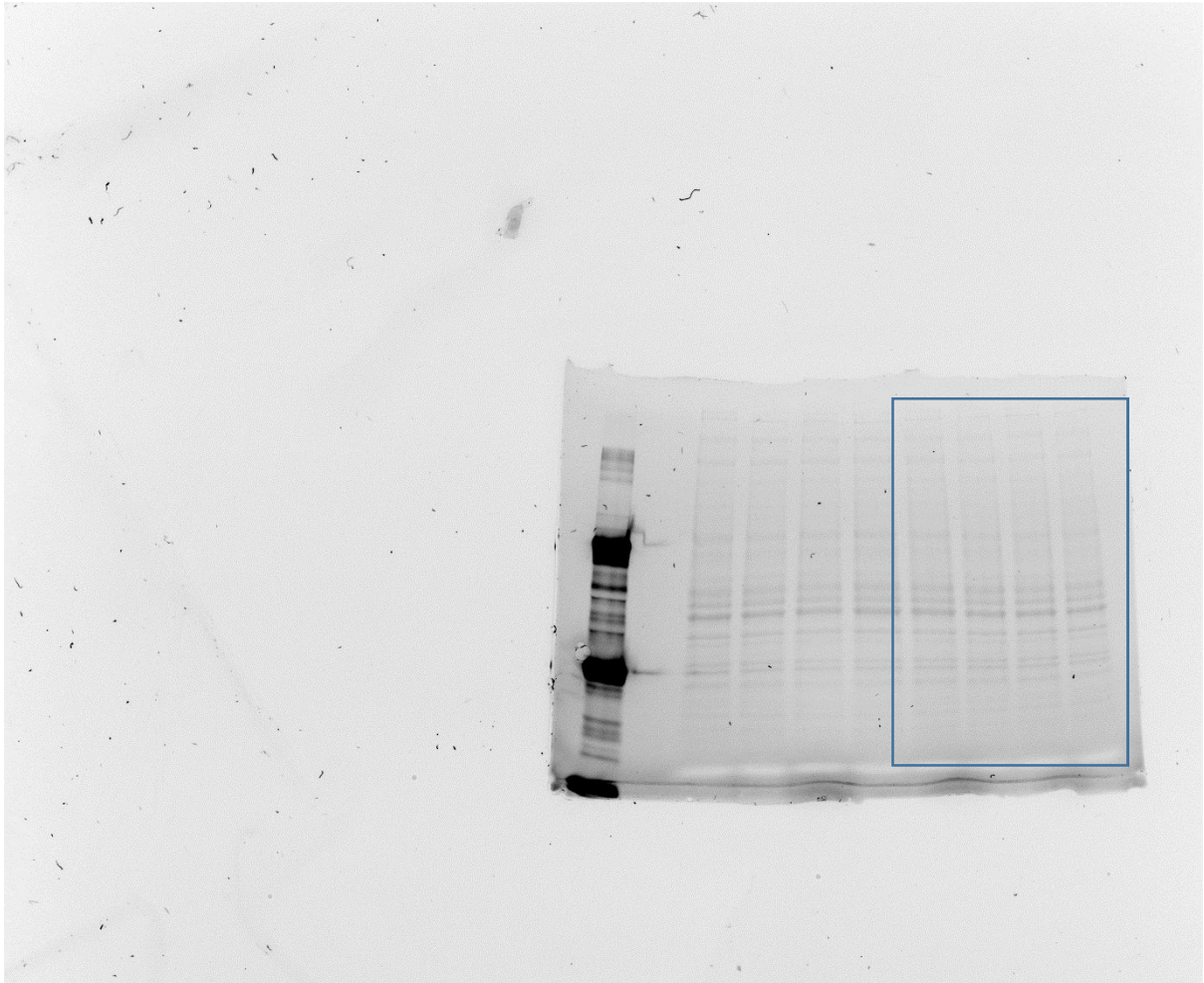
Total Protein Loading Control Participant 5 (Stain-free activated gel)

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



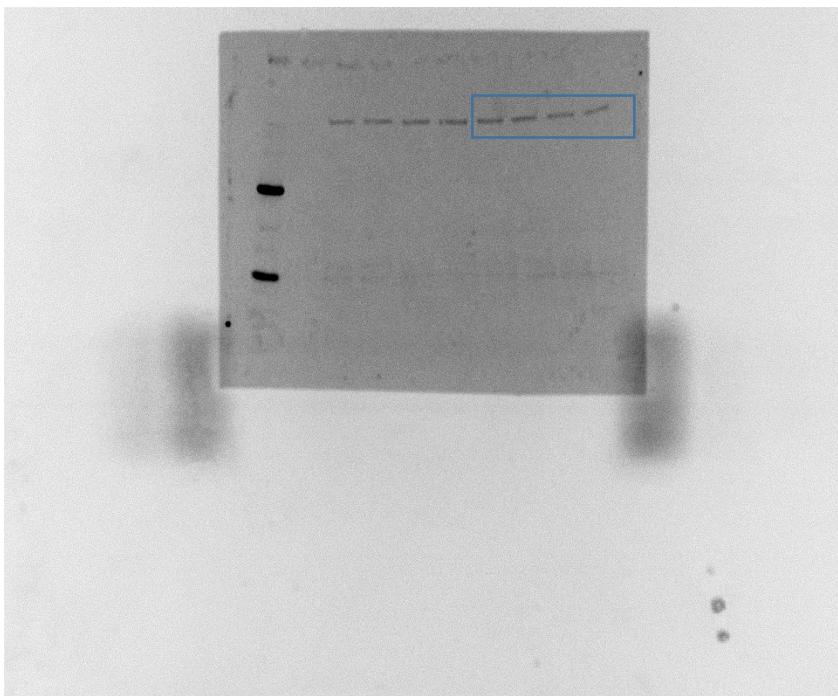
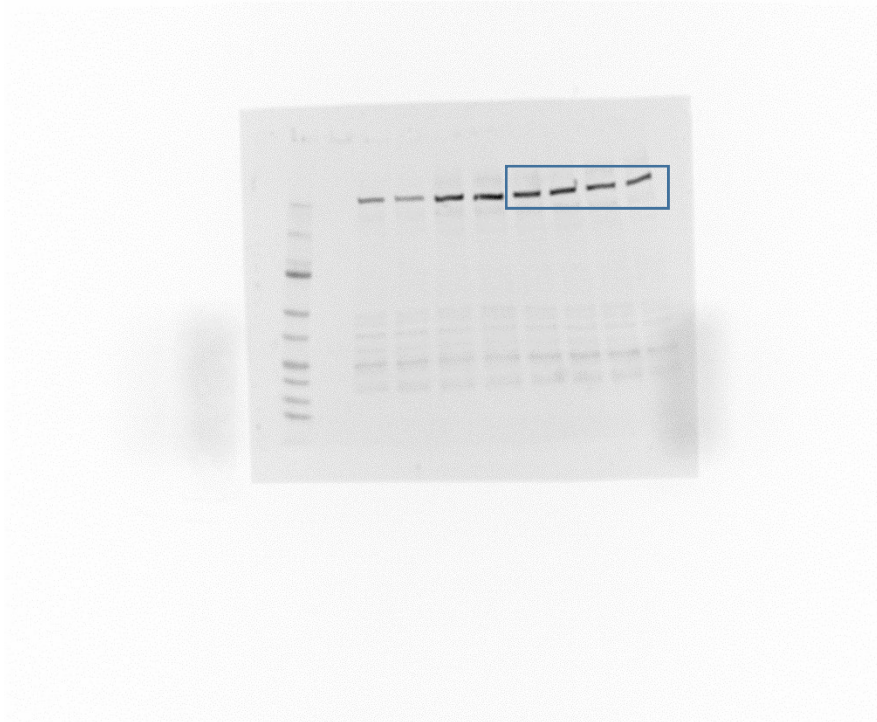
Total Protein Loading Control Participant 6 (Stain-free activated gel)

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



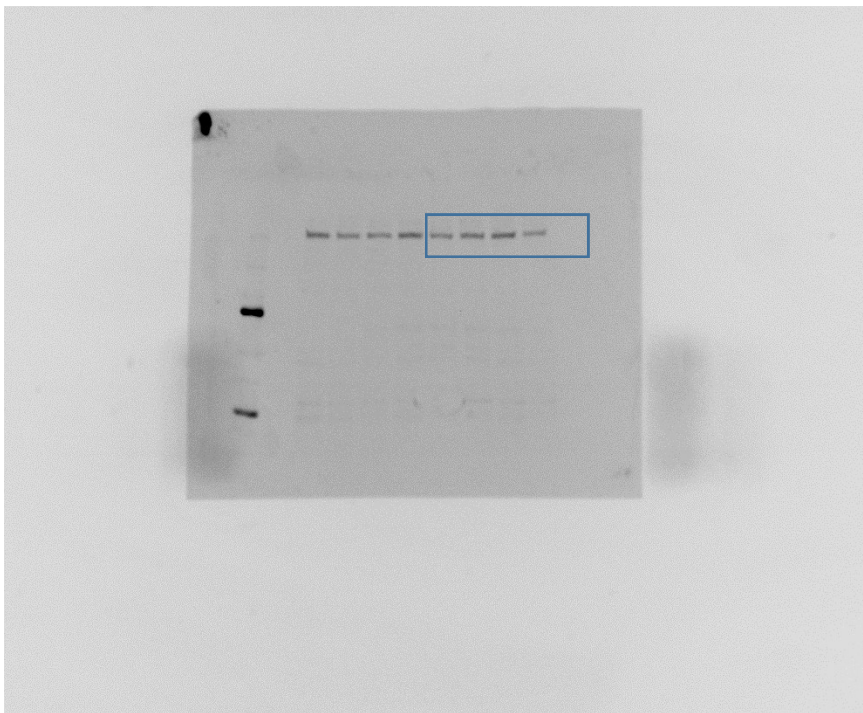
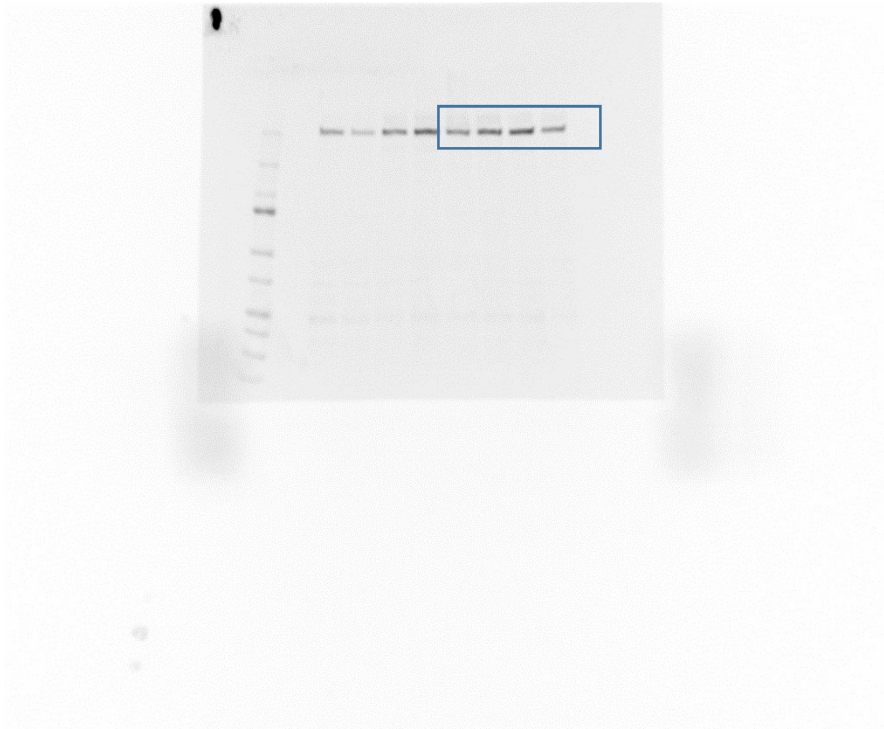
Phospho (above) and Total (below) mTOR Participant 1

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



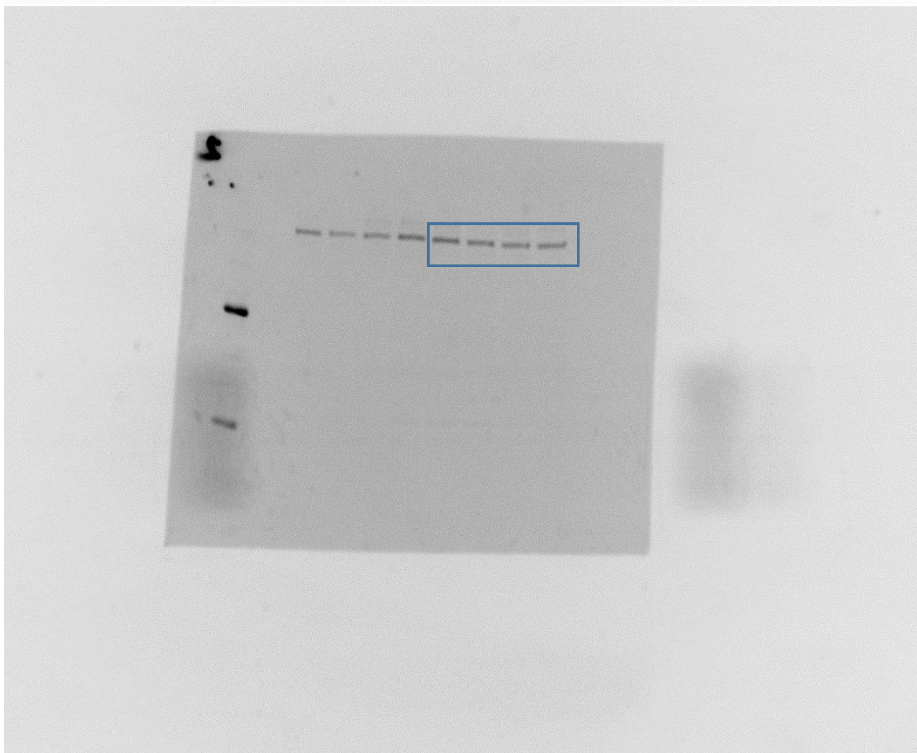
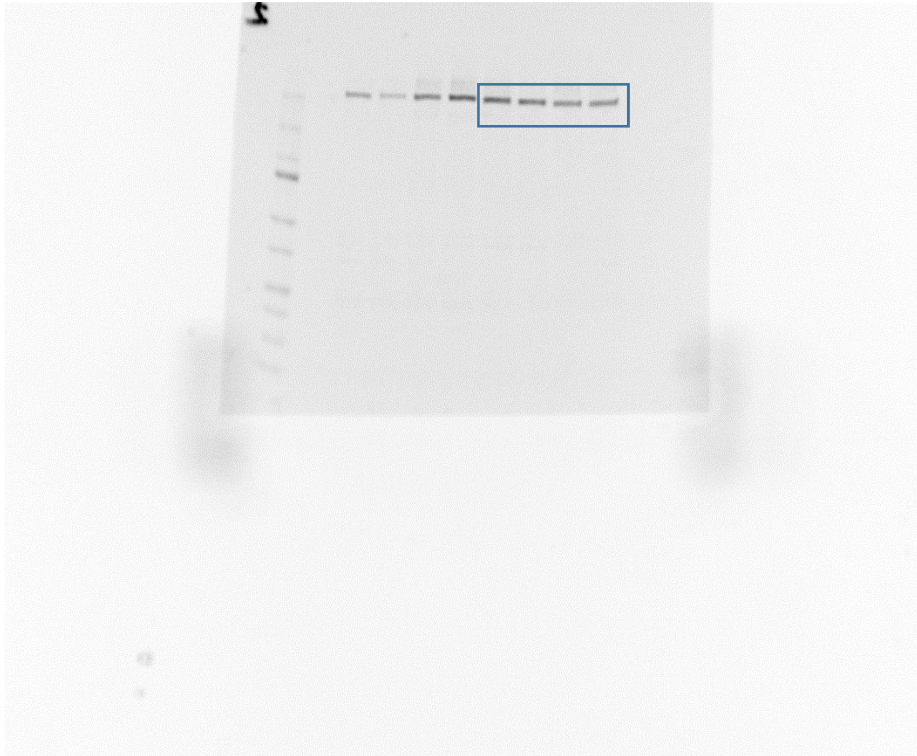
Phospho (above) and Total (below) mTOR Participant 2

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



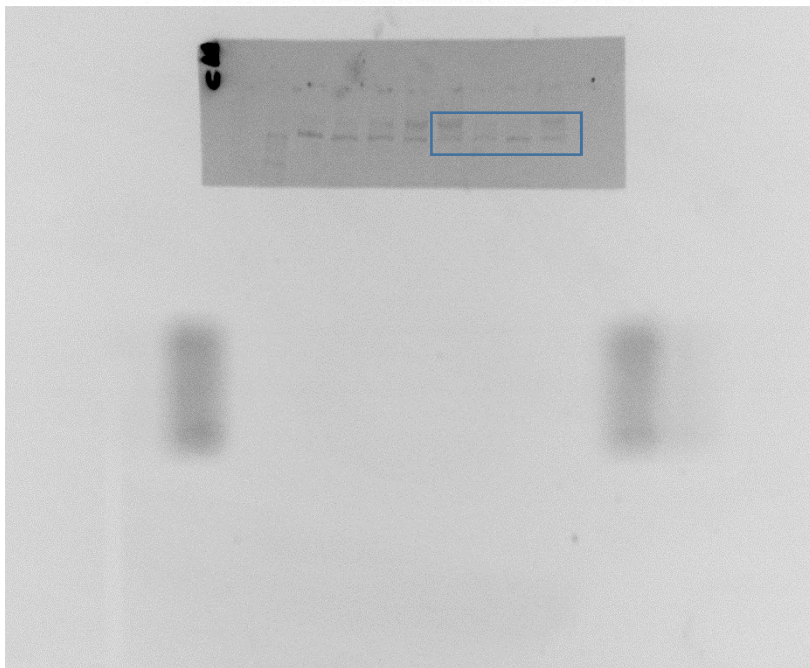
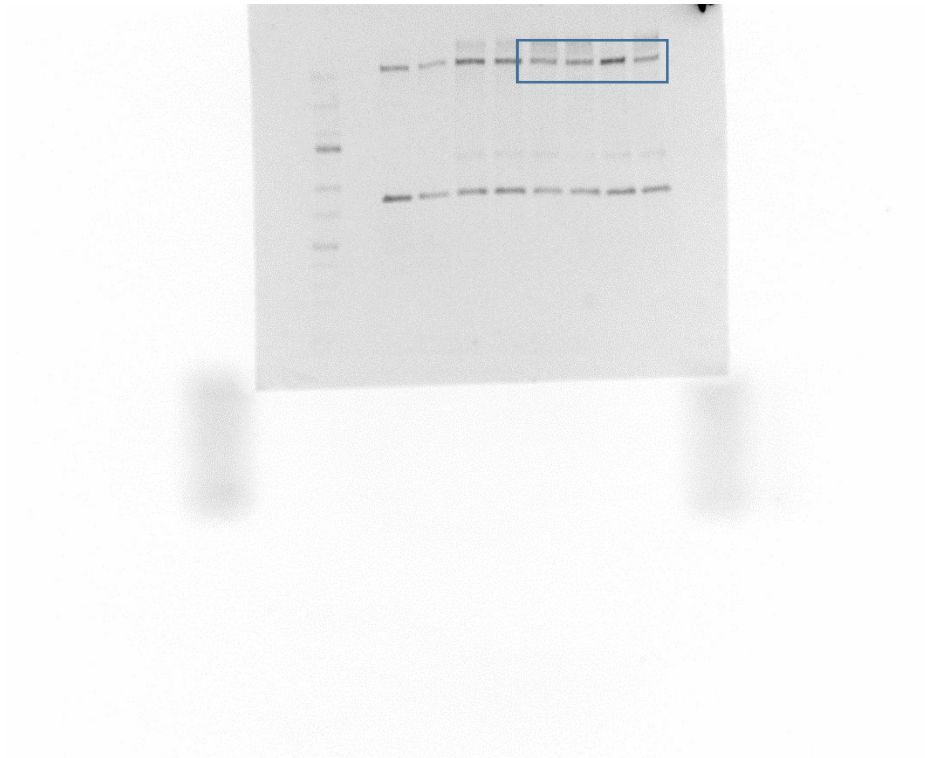
Phospho (above) and Total (below) mTOR Participant 3

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



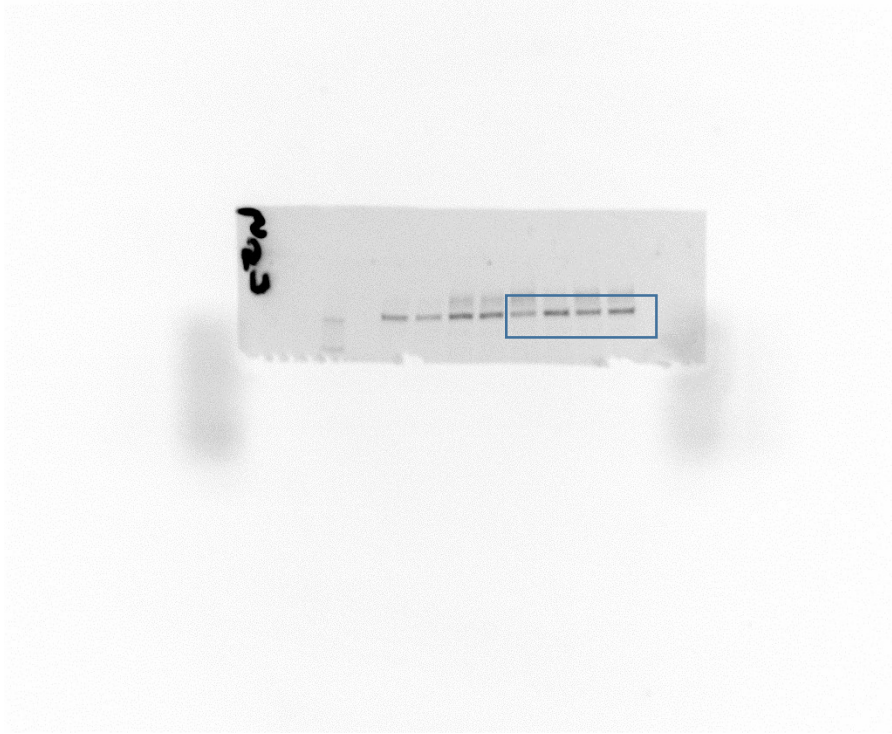
Phospho (above) and Total (below) mTOR Participant 4

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



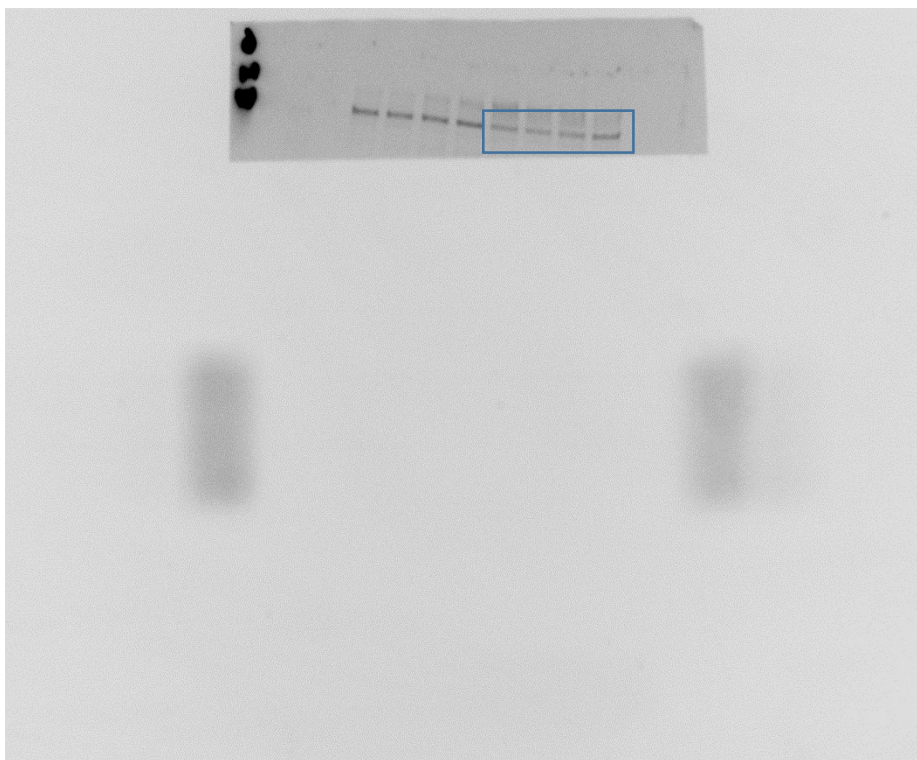
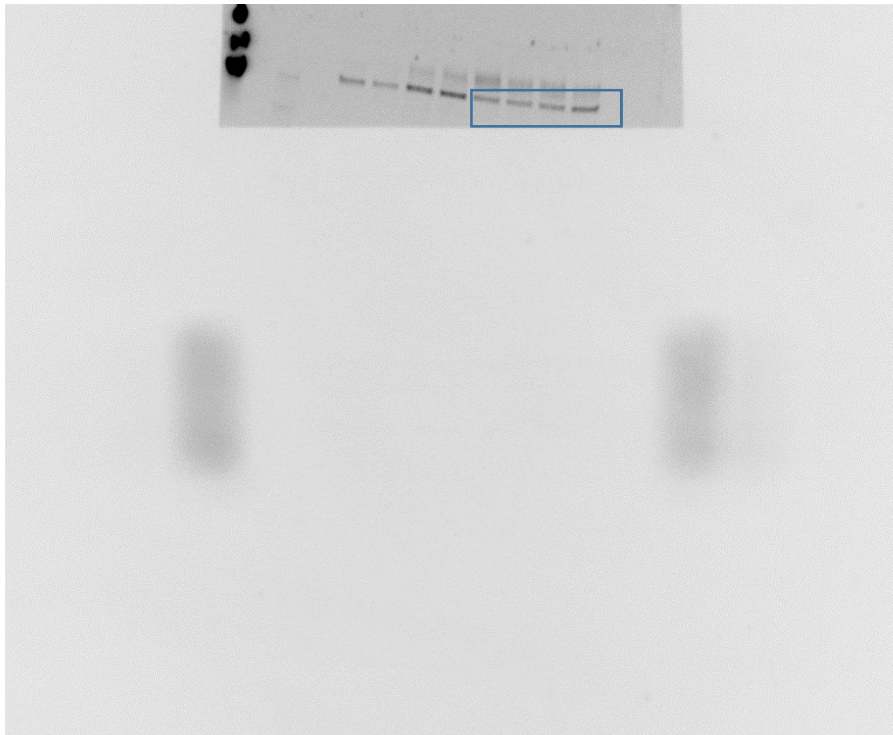
Phospho (above) and Total (below) mTOR Participant 5

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



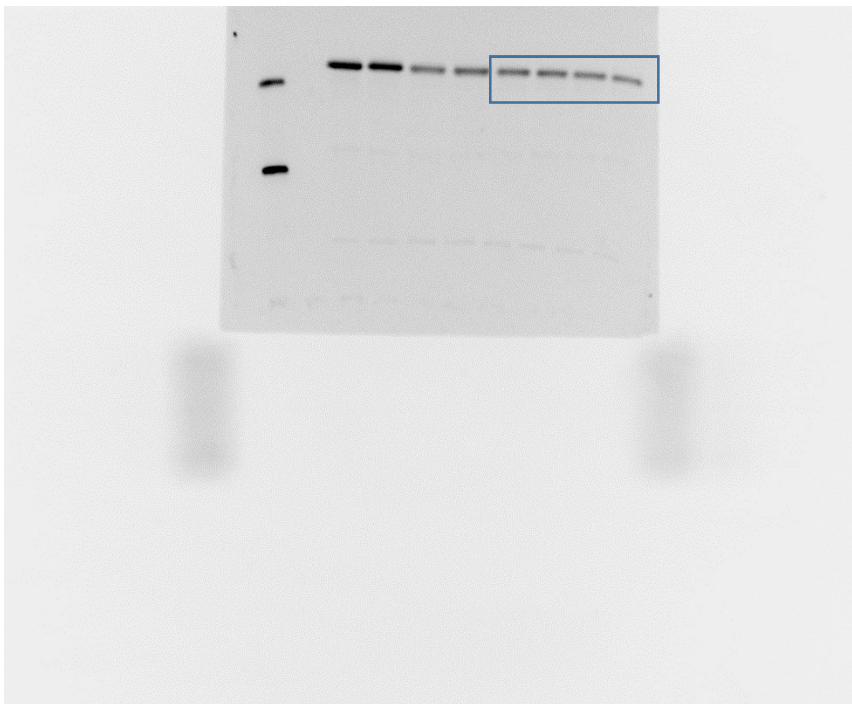
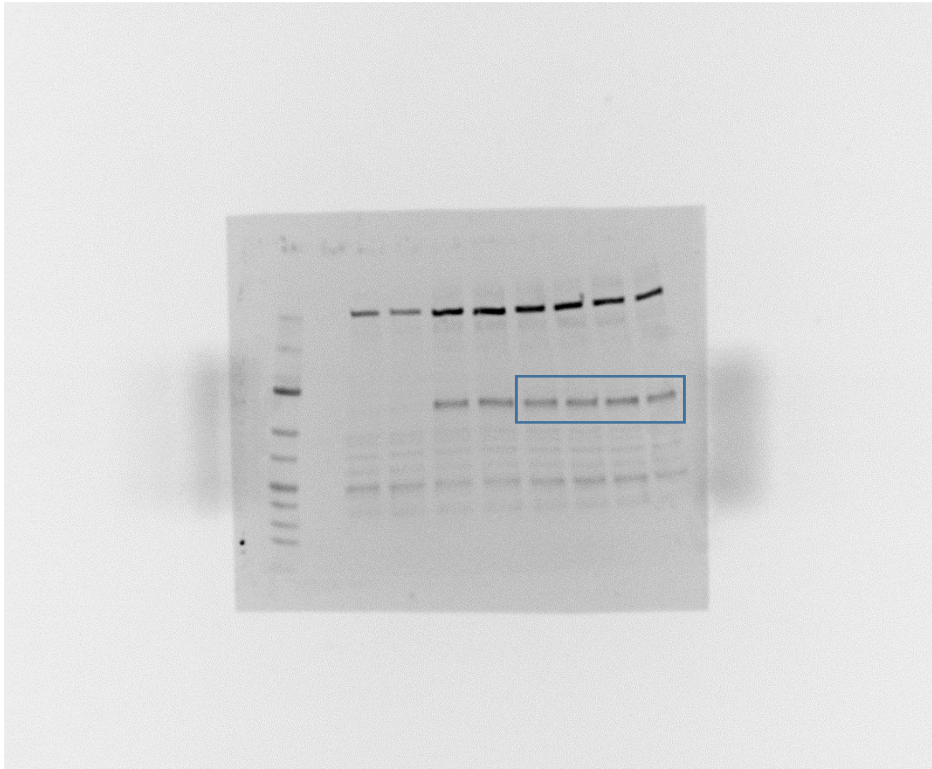
Phospho (above) and Total (below) mTOR Participant 6

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



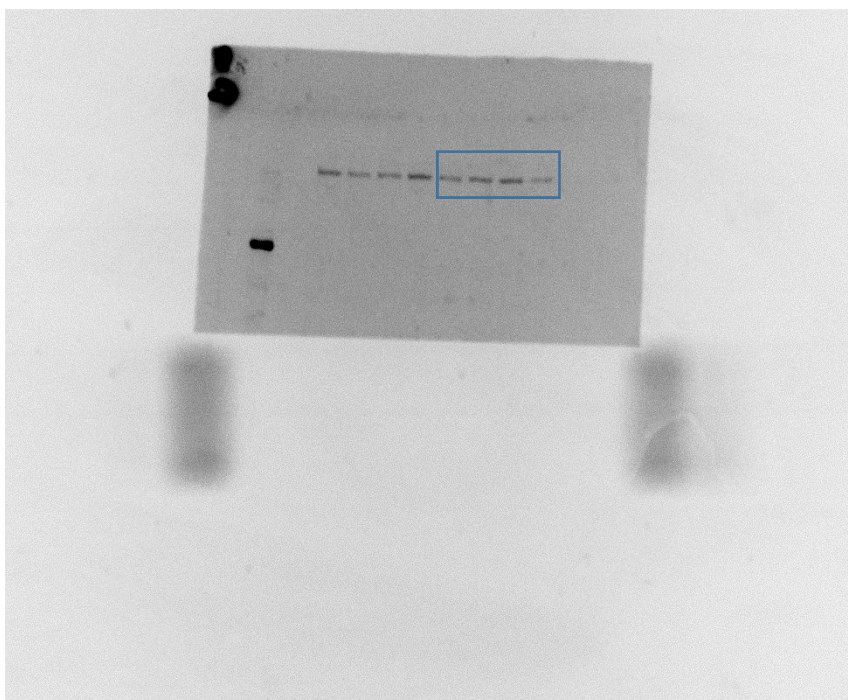
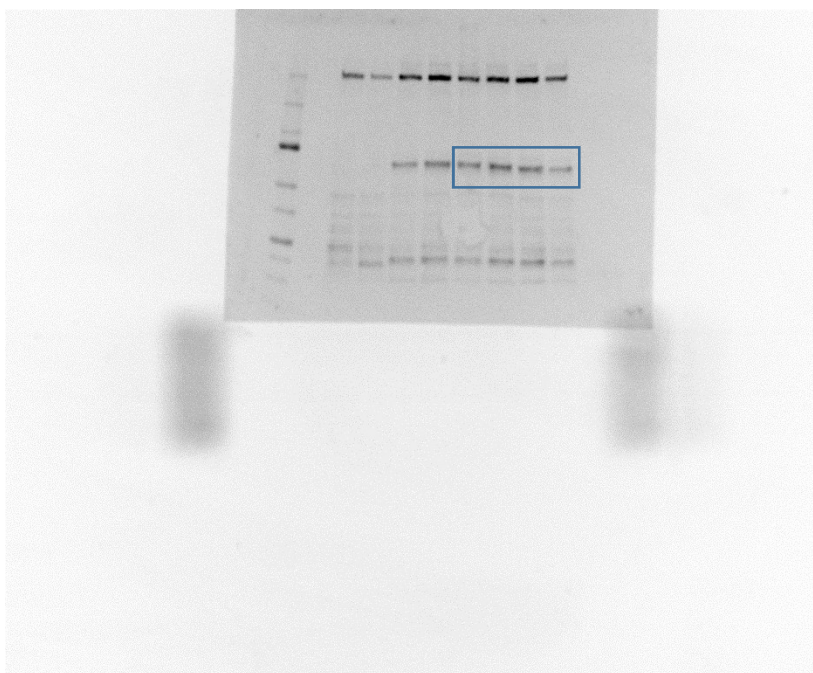
Phospho (above) and Total (below) P70S6K Participant 1

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



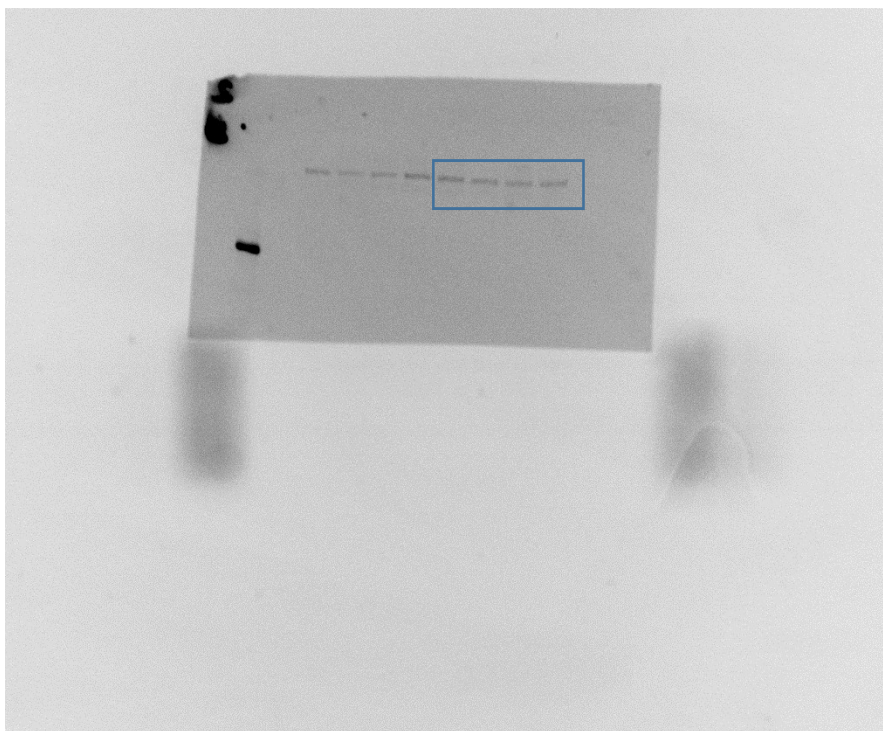
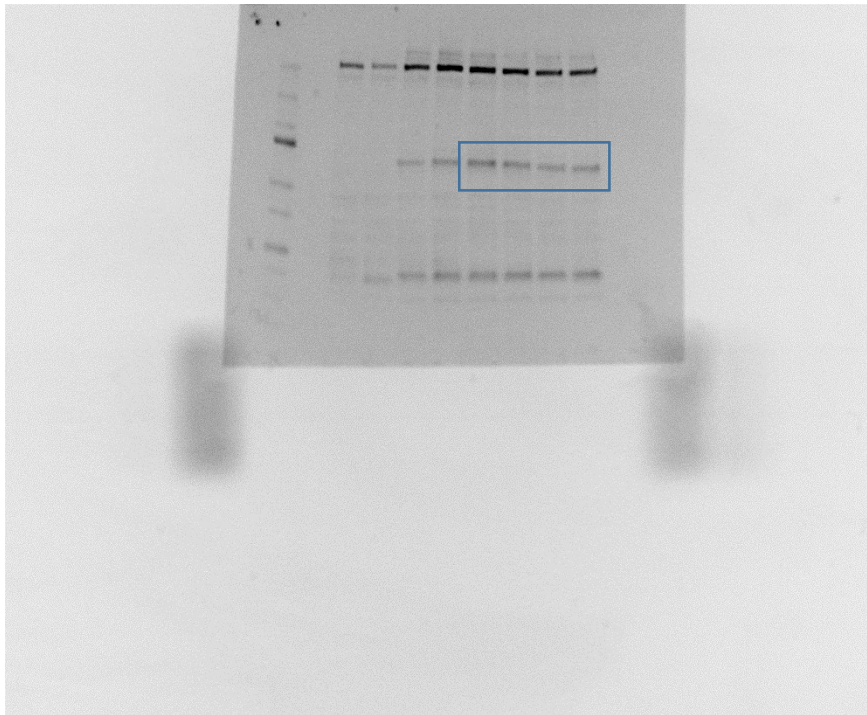
Phospho (above) and Total (below) P70S6K Participant 2

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



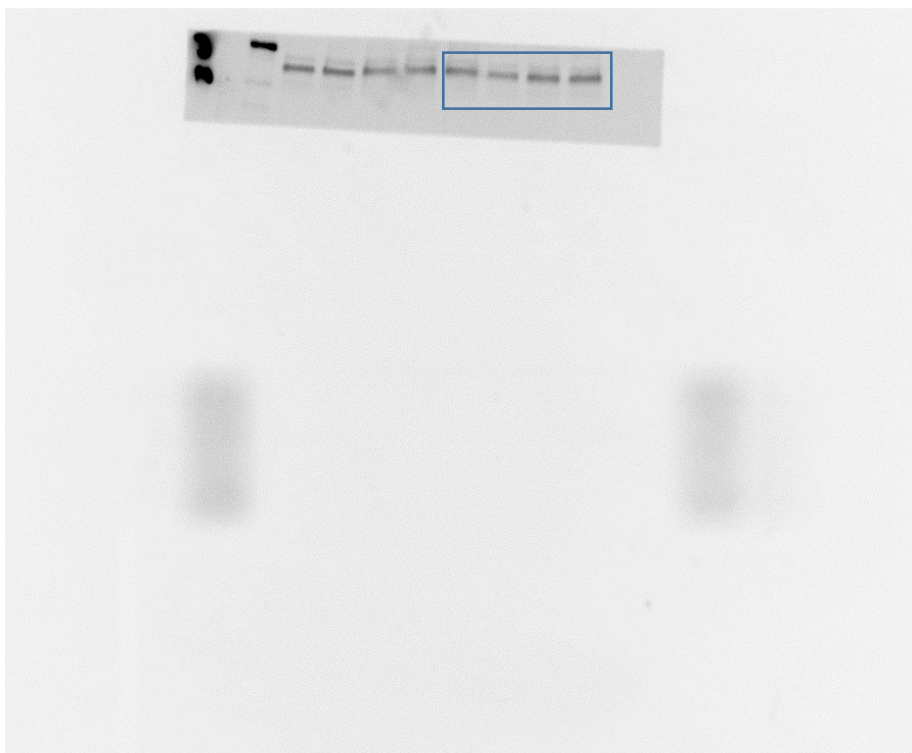
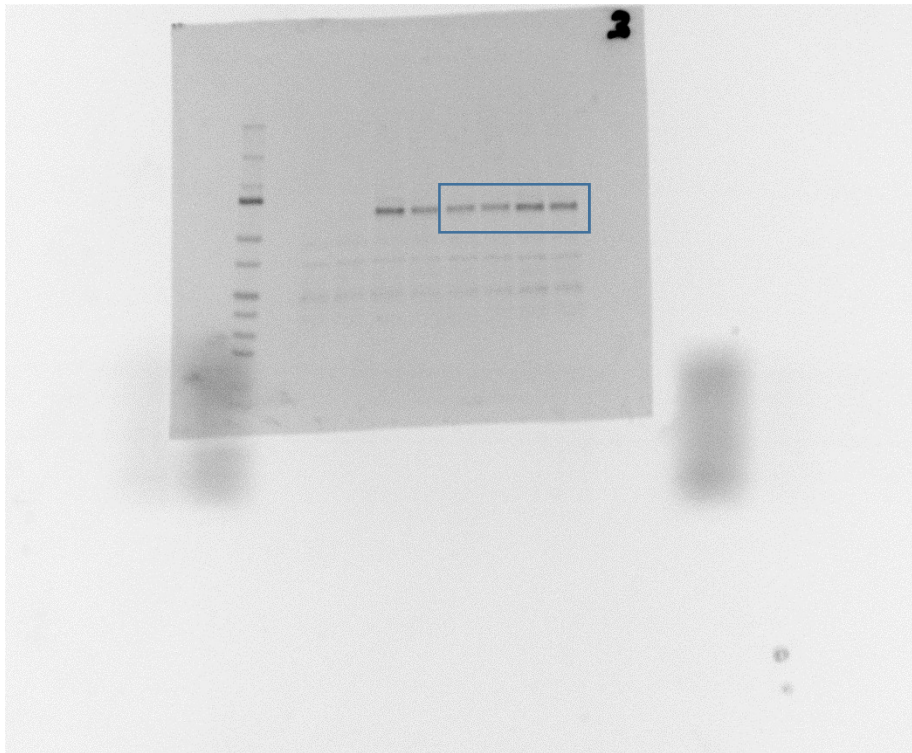
Phospho (above) and Total (below) P70S6K Participant 3

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



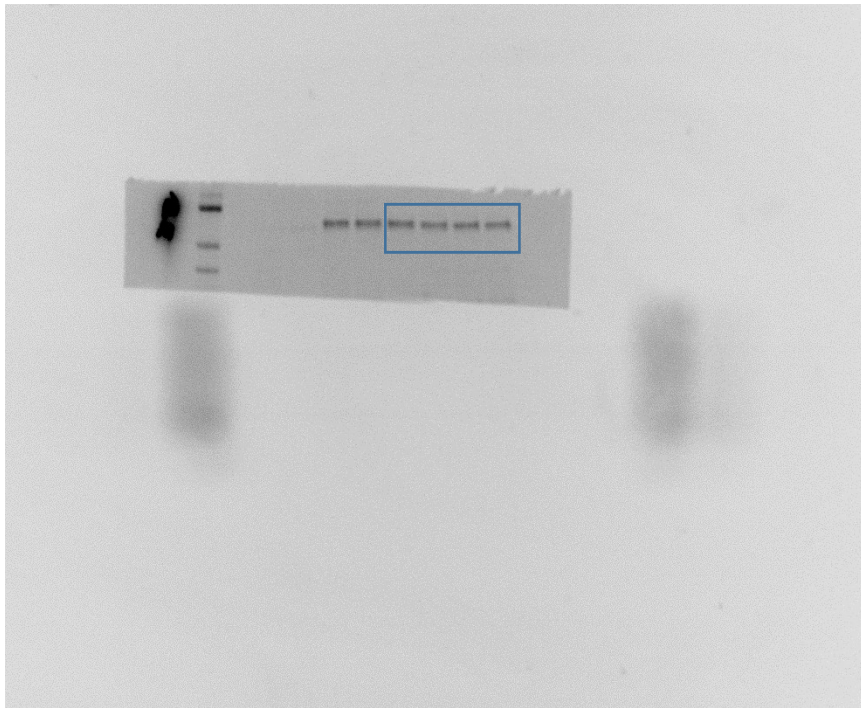
Phospho (above) and Total (below) P70S6K Participant 4

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



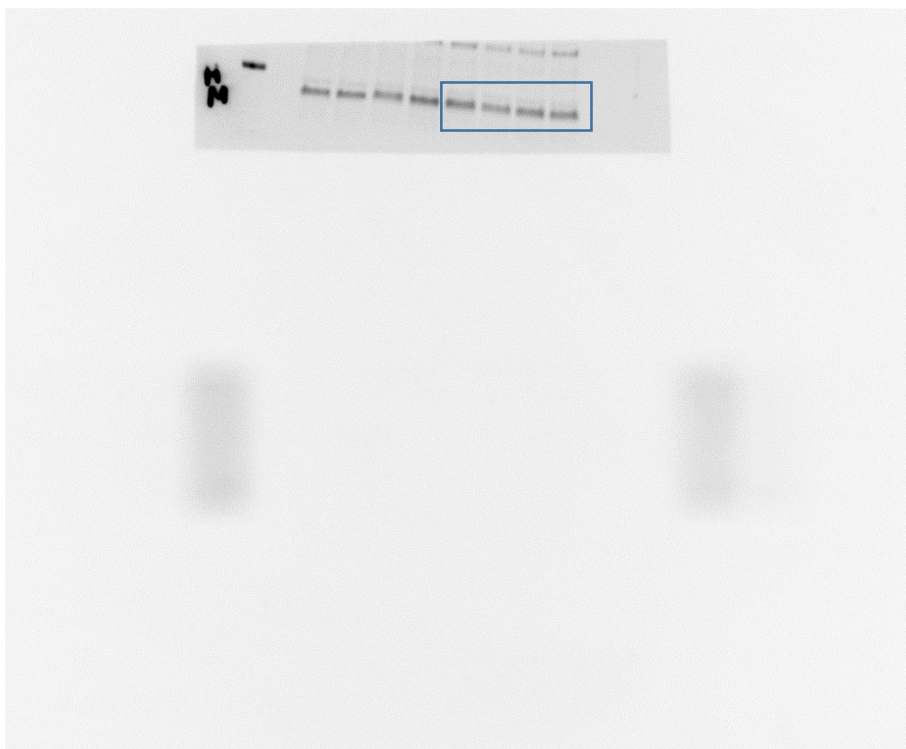
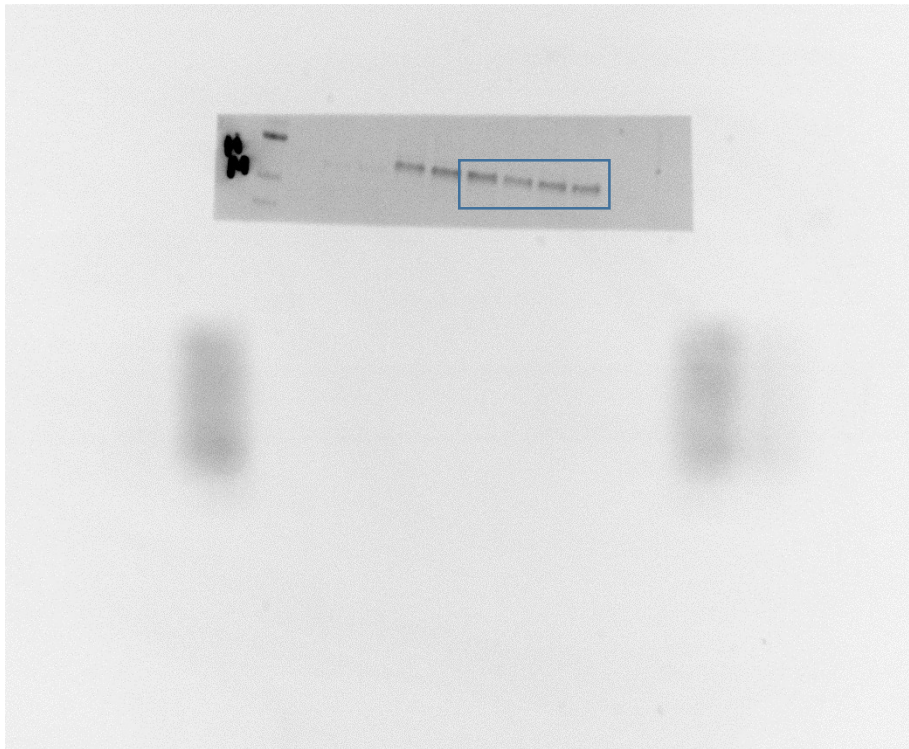
Phospho (above) and Total (below) P70S6K Participant 5

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



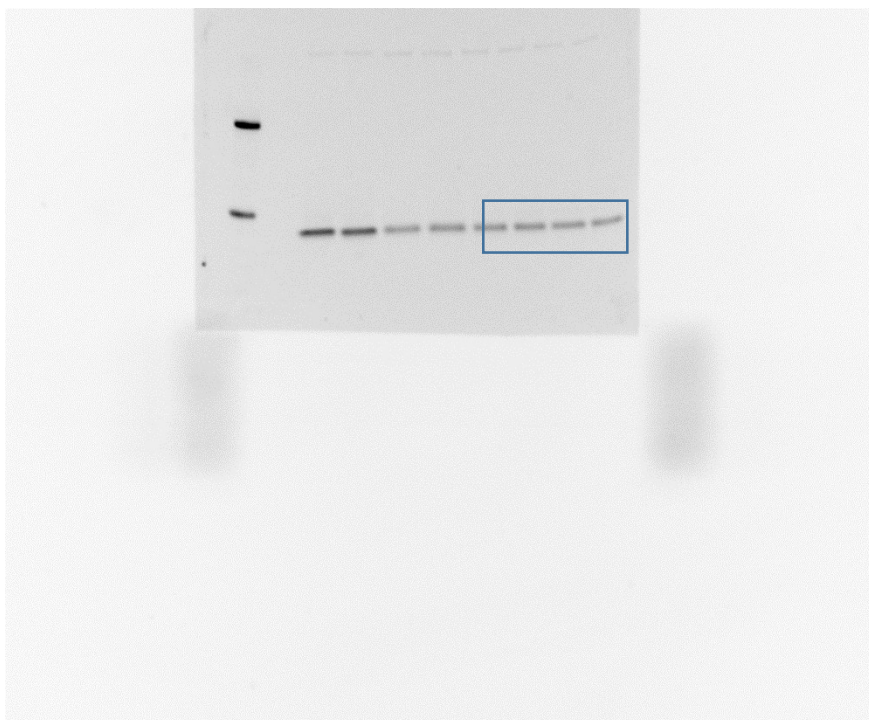
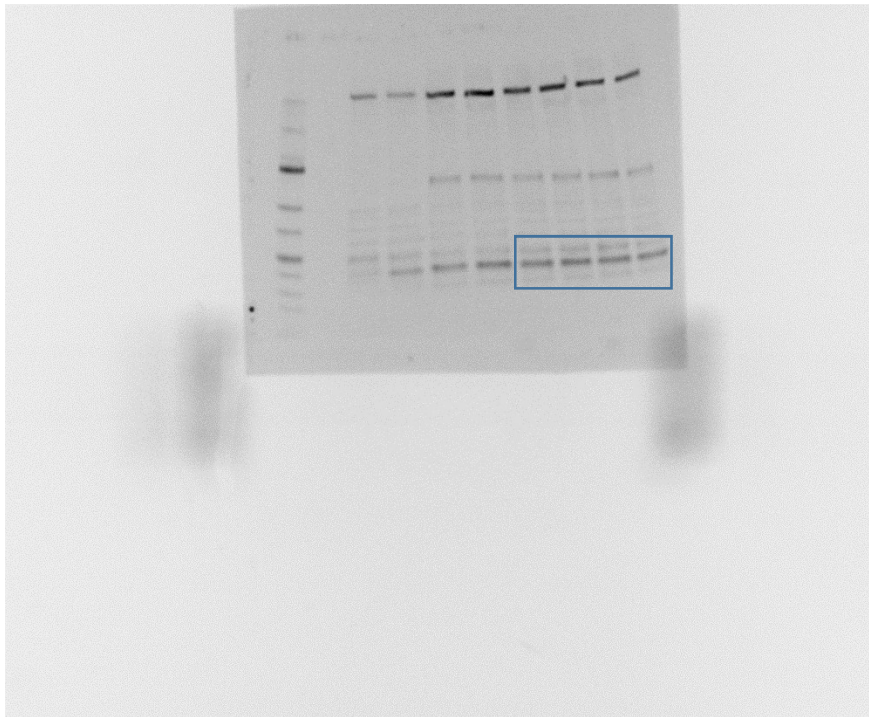
Phospho (above) and Total (below) P70S6K Participant 6

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



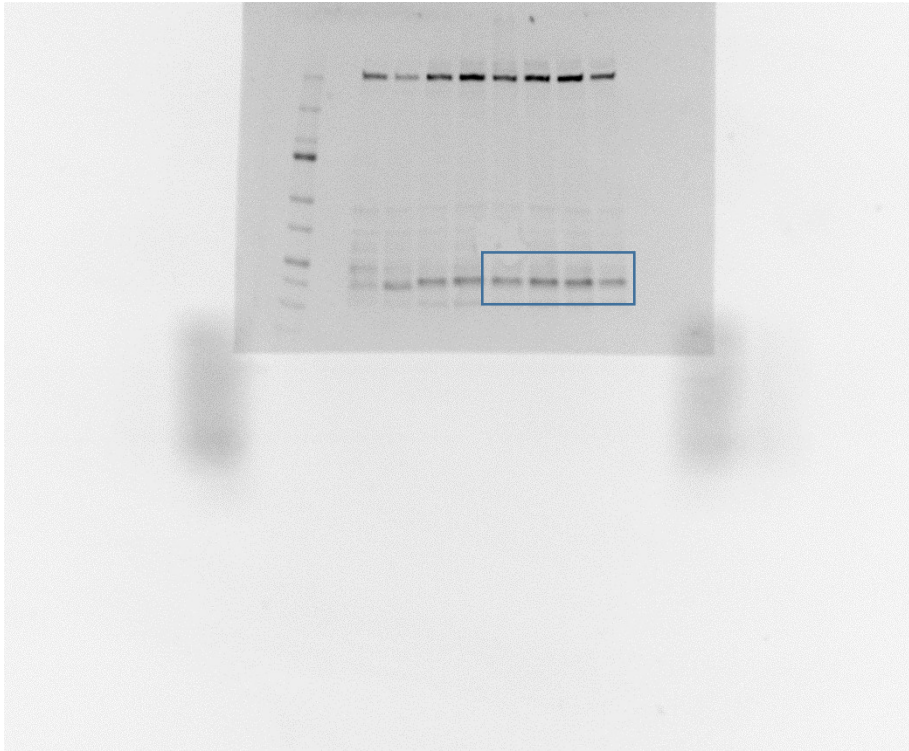
Phospho (above) and Total (below) 4E-BP1 Participant 1

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



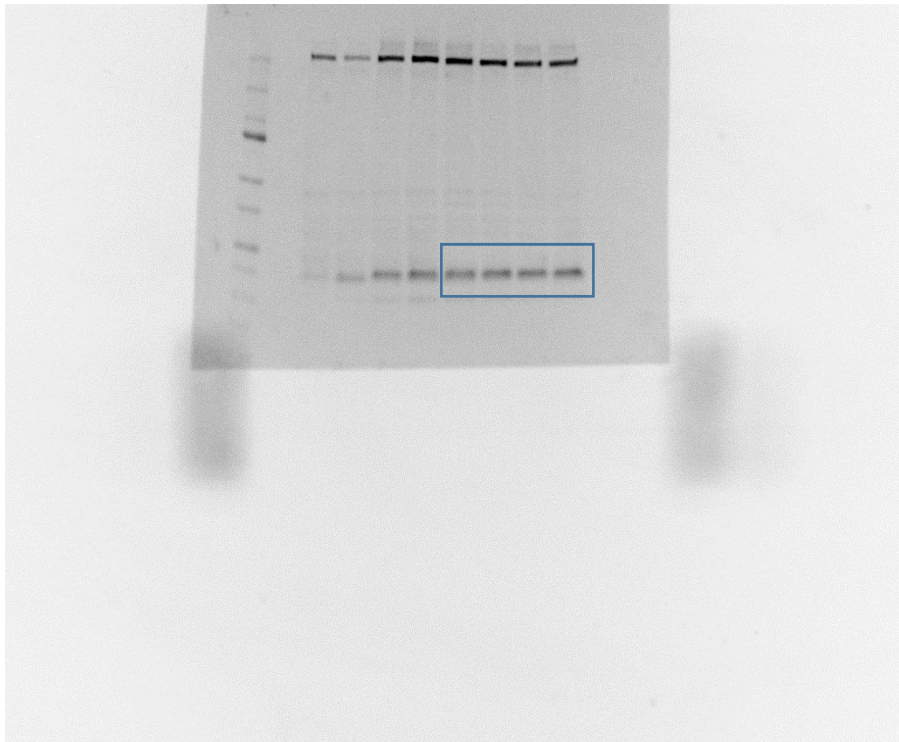
Phospho (above) and Total (below) 4E-BP1 Participant 2

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



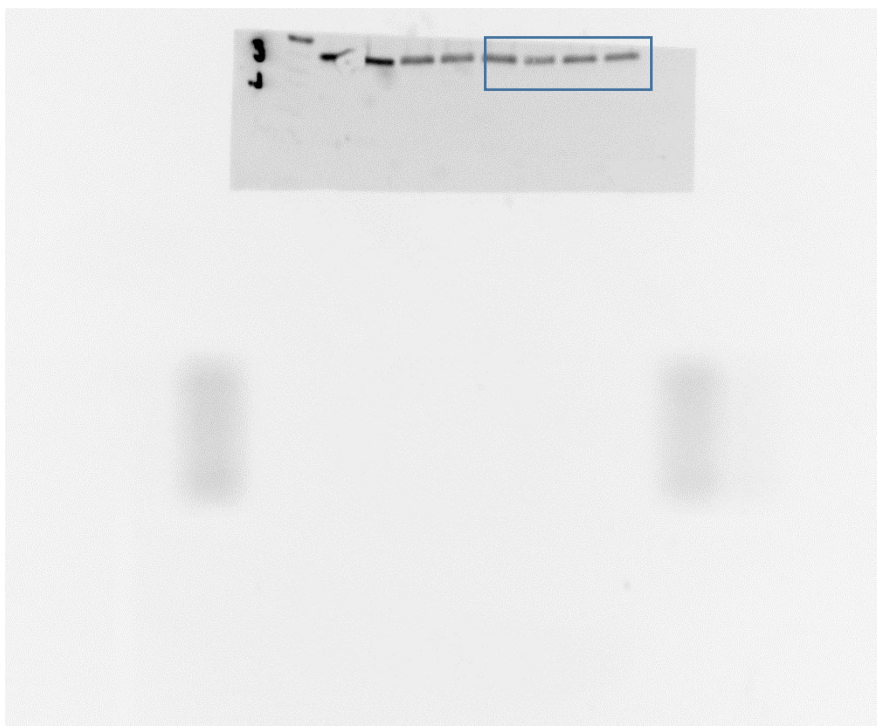
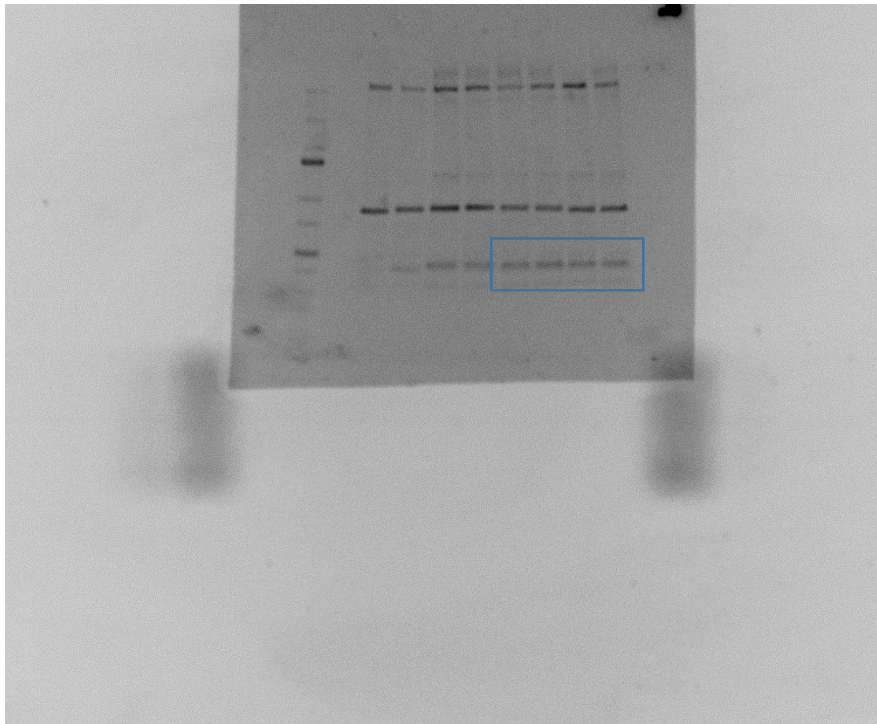
Phospho (above) and Total (below) 4E-BP1 Participant 3

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



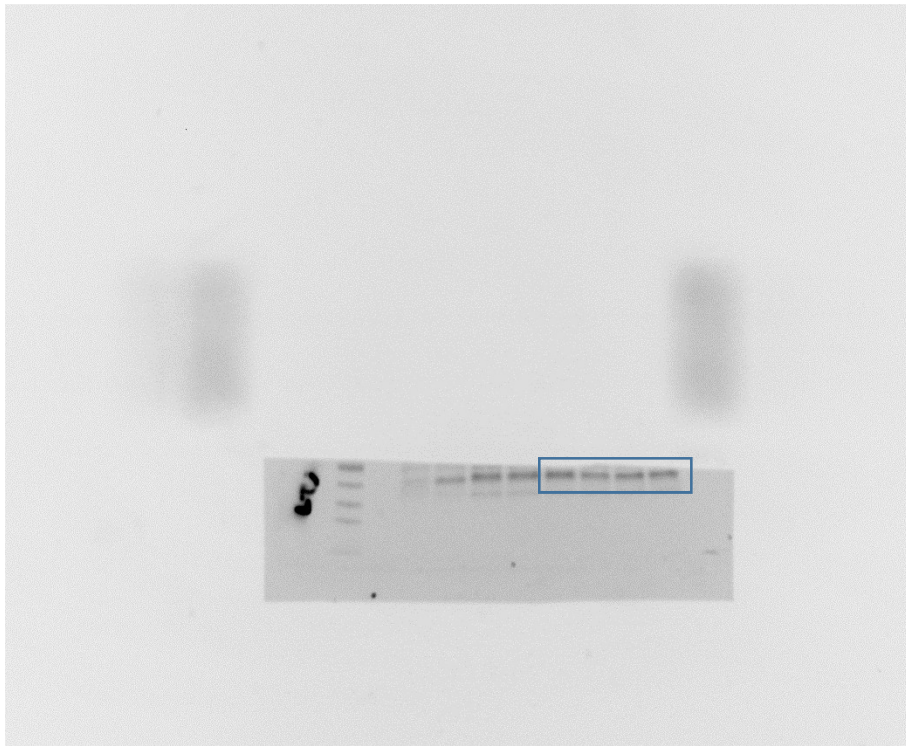
Phospho (above) and Total (below) 4E-BP1 Participant 4

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Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



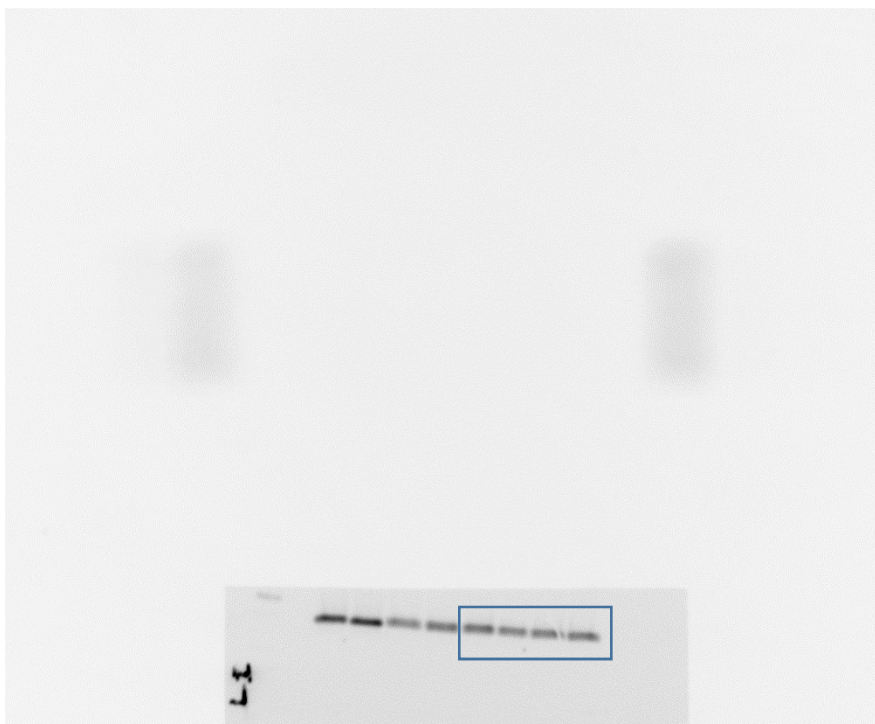
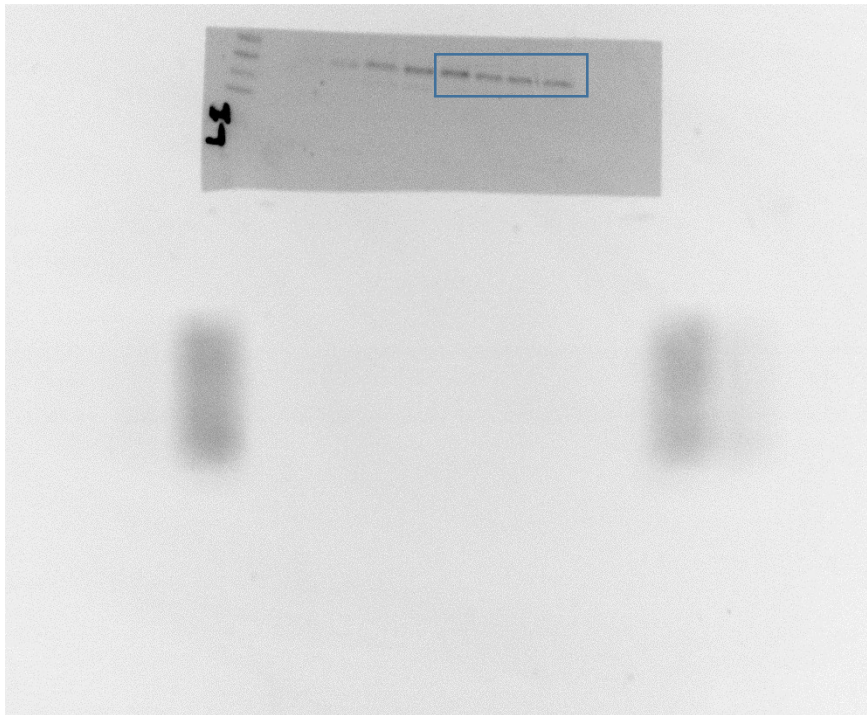
Phospho (above) and Total (below) 4E-BP1 Participant 5

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed



Phospho (above) and Total (below) 4E-BP1 Participant 6

Lane 5 – WPH FAST

Lane 6 – WPH Fed

Lane 7 – NEAA FAST

Lane 8 – NEAA Fed