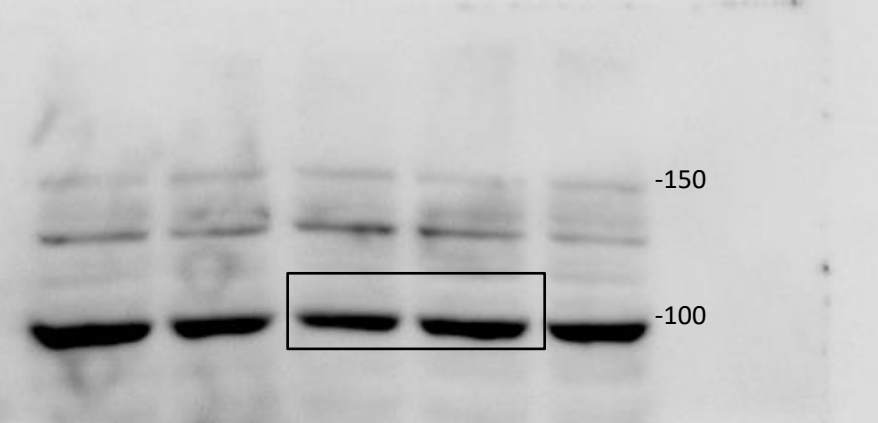
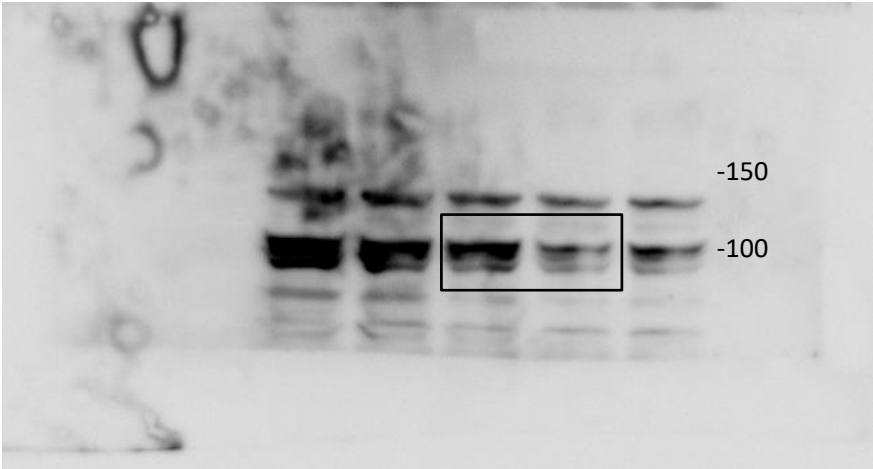


Fig 3B

Non-specific inhibitor
Let7a inhibitor

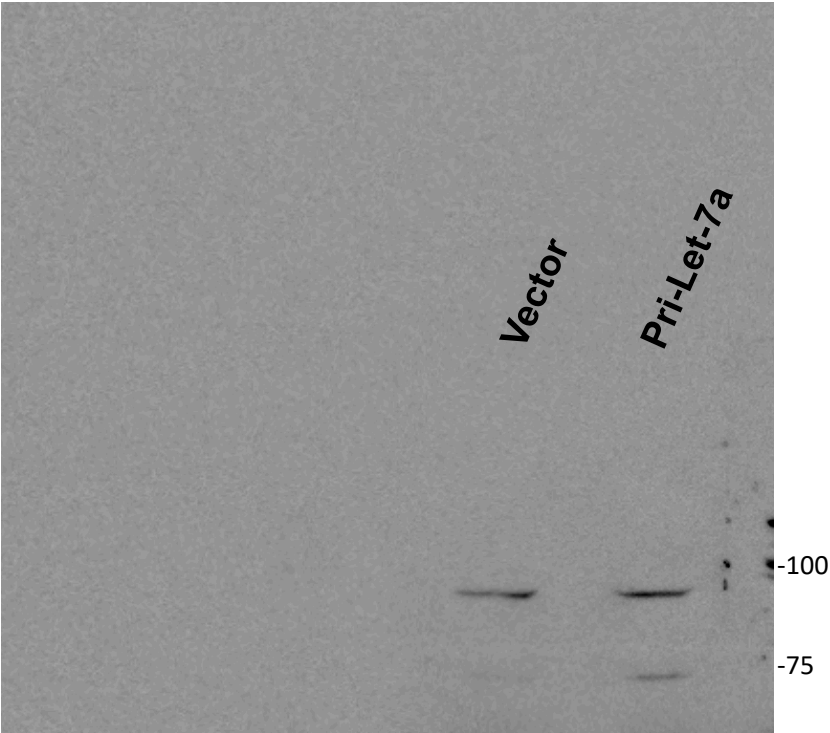


Anti-Ago1

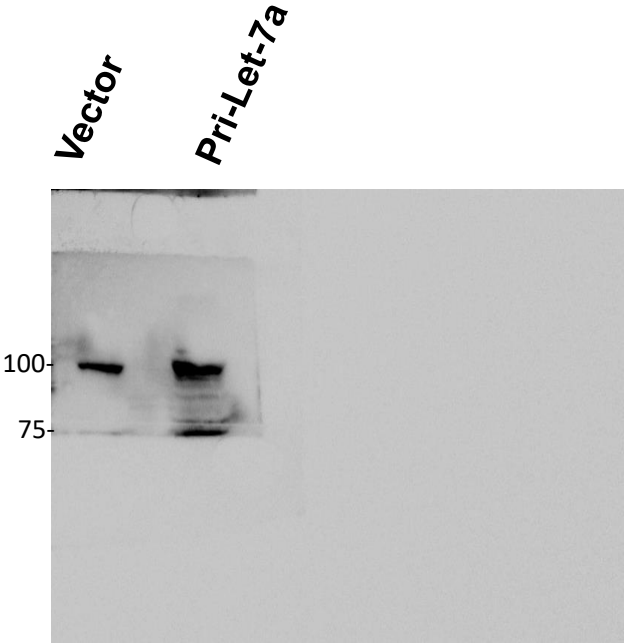


Anti-Ago1x

Fig 3C



Anti-Ago1



Anti-Ago1x

Fig 3D

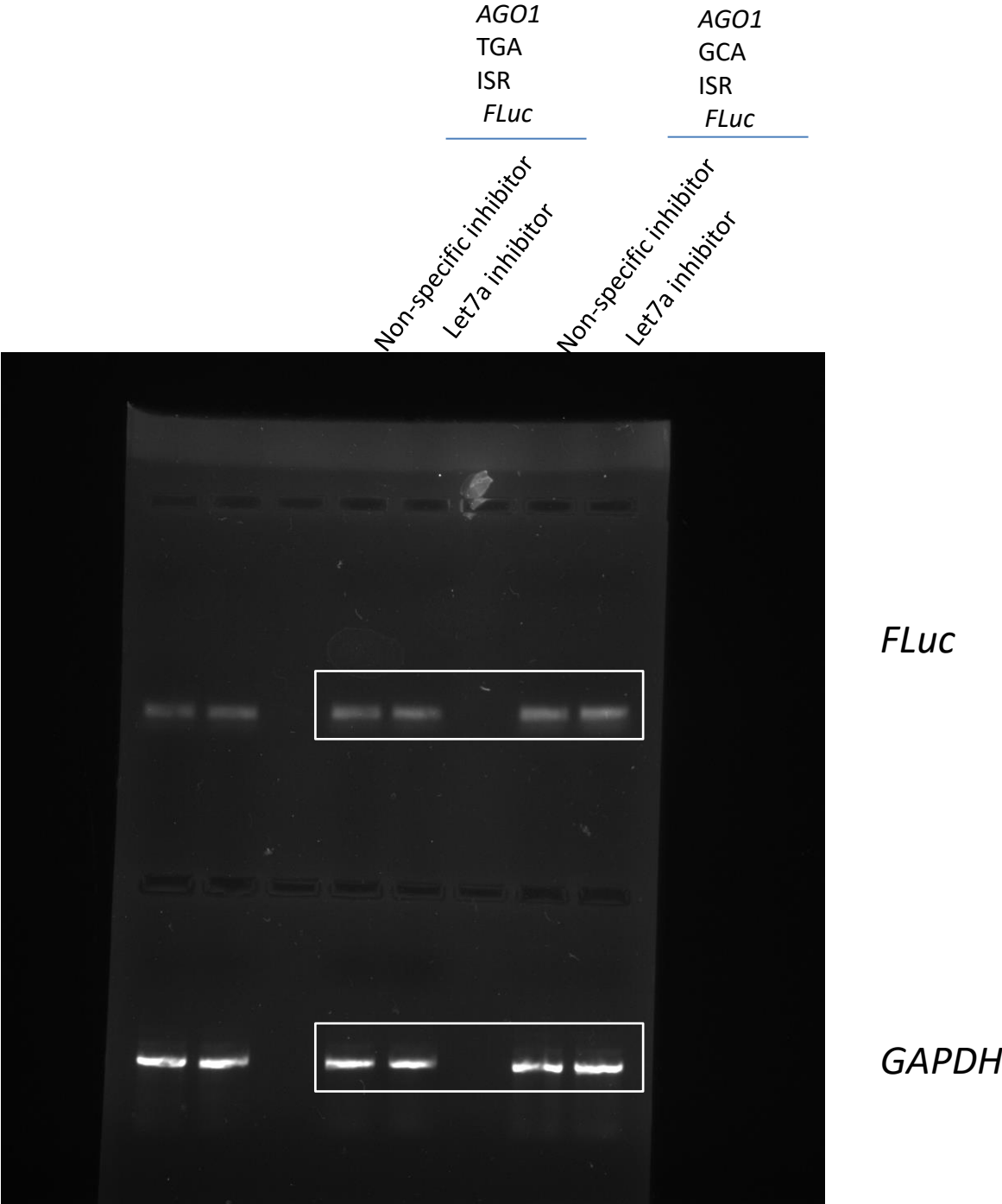


Fig 3E

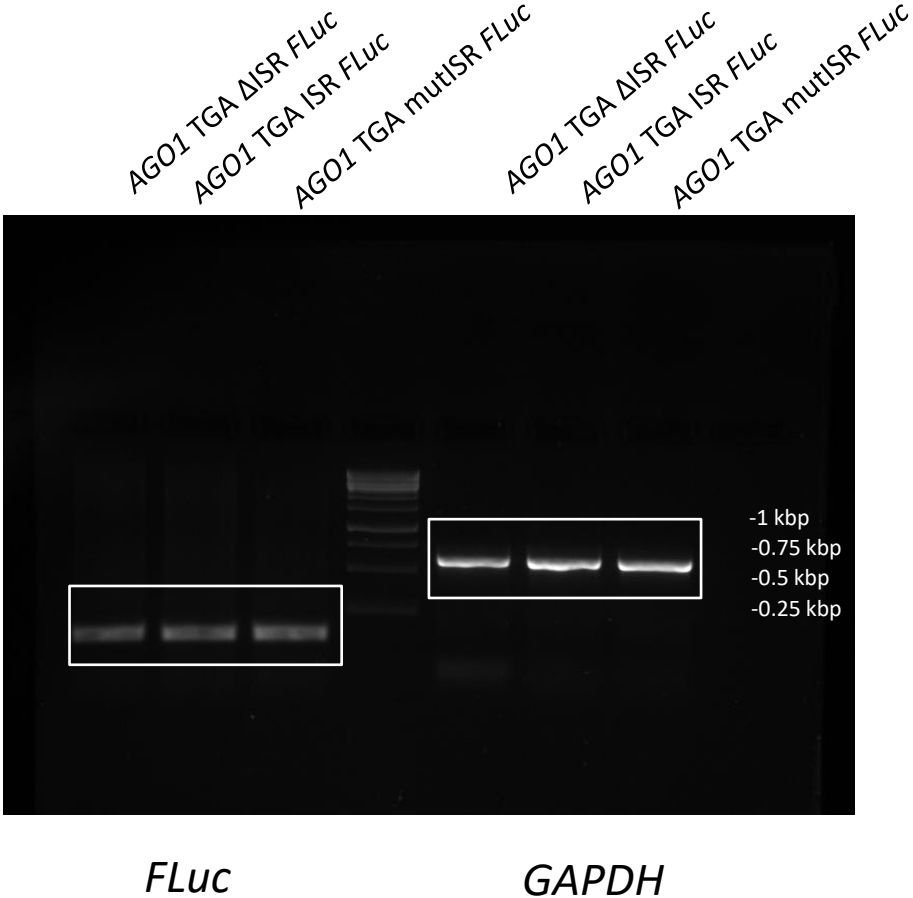
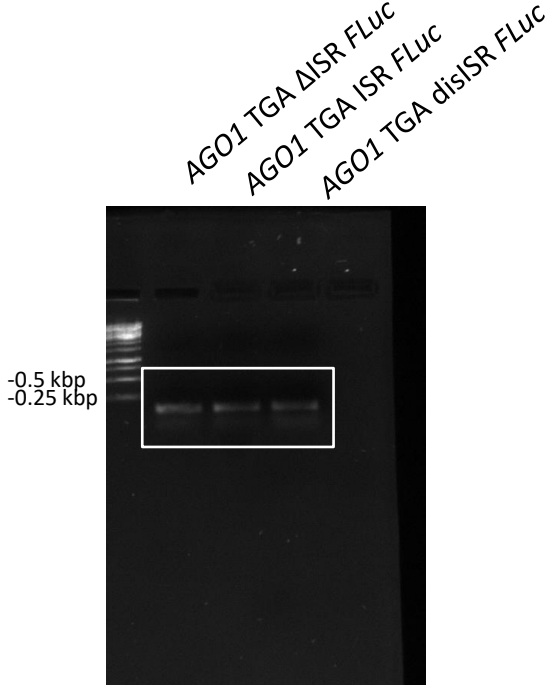


Fig 3F



GAPDH



FLuc

| | | | | | |
|---|-----------------------------|--------------|--------------|-----------------|------------|
| FIG_3_B | | | | | |
| | Normalised Intensity | | | | |
| | Rep-1 | Rep-2 | Rep-3 | Average | SEM |
| AGO1 with LET-7a Inhibitor | 1.044109 | 1.437819 | 0.670709 | 1.050879 | 0.2215 |
| AGO1 with Non-Specific Inhibitor | 1 | 1 | 1 | 1 | 0 |
| | | | | | |
| AGO1x with LET-7a Inhibitor | 0.347928 | 0.482894 | 0.527353 | 0.452725 | 0.0539 |
| AGO1x Non-Specific Inhibitor | 1 | 1 | 1 | 1 | 0 |
| | | | | | |
| | | | | | |
| | | | | P-value: | 0.01 |
| | | | | | |

| FIG_3_C | | Normalised Intensity | | | | |
|--------------|------------------------|----------------------|-------------|----------|-----------------|--------|
| | | Rep-1 | Rep-2 | Rep-3 | Average | SEM |
| Ago1 | Vector | 1 | 1 | 1 | 1 | 0 |
| | Let-7a over-exp | 0.430604 | 1.333301193 | 1.407001 | 1.057 | 0.3139 |
| Ago1x | Vector | 1 | 1 | 1 | 1 | 0 |
| | Let-7a over-exp | 2.283398 | 2.535463914 | 2.713007 | 2.5106 | 0.1246 |
| | | | | | P-value: | 0.007 |

| | | | | | |
|-------------------------------|--|------------------|----------------|------------|-----------------|
| FIG_3_D | | | | | |
| Let-7a inh. 10 nm | | | | | |
| | | Fluc/Rluc | Average | SEM | |
| AGO1 TGA ISR Fluc | | 0.000201 | 0.000583 | 3.39E-04 | |
| | | 0.000288 | | | |
| | | 0.001258 | | | |
| AGO1 GCA ISR Fluc | | 0.003091 | 0.013113 | 6.77E-03 | |
| | | 0.010229 | | | |
| | | 0.026018 | | | |
| | | | | | |
| | | | | | P-value: |
| | | | | | 0.027 |
| | | | | | |
| non-specific inh. 10nm | | | | | |
| AGO1 TGA ISR Fluc | | 0.001905 | 0.002458 | 4.35E-04 | |
| | | 0.002153 | | | |
| | | 0.003315 | | | |
| AGO1 GCA ISR Fluc | | 0.010621 | 0.011665 | 6.13E-04 | |
| | | 0.011631 | | | |
| | | 0.012744 | | | |

| | | | | | | | |
|--------------------------------|--|------------------|----------------|------------|--|-----------------|-------|
| FIG_3_E | | | | | | | |
| | | | | | | | |
| | | Fluc/Rluc | Average | SEM | | | |
| AGO1 TGA Delta ISR Fluc | | 2.77941E-05 | 2.99675E-05 | 1.49E-06 | | | |
| | | 3.28313E-05 | | | | | |
| | | 2.92771E-05 | | | | | |
| AGO1 TGA ISR Fluc | | 0.00044249 | 0.000615335 | 8.67E-05 | | | |
| | | 0.000713433 | | | | | |
| | | 0.000690083 | | | | | |
| AGO1 TGA Mut. ISR Fluc | | 0.000175624 | 0.000182688 | 9.82E-06 | | P-value: | 0.008 |
| | | 0.000170343 | | | | | |
| | | 0.000202096 | | | | | |

| | | | | | | | |
|--------------------------------|--|------------------|----------------|------------|--|-----------------|----------|
| FIG_3_F | | | | | | | |
| | | | | | | | |
| | | Fluc/Rluc | Average | SEM | | | |
| AGO1 TGA Delta ISR Fluc | | 6.93E-05 | 7.05534E-05 | 6.49E-07 | | | |
| | | 7.14E-05 | | | | | |
| | | 7.09E-05 | | | | | |
| AGO1 TGA ISR Fluc | | 0.000977 | 0.000902616 | 3.97E-05 | | | |
| | | 0.000888 | | | | | |
| | | 0.000843 | | | | | |
| AGO1 TGA disISR Fluc | | 0.000269 | 0.000262889 | 5.79E-06 | | P-value: | < 0.0001 |
| | | 0.000251 | | | | | |
| | | 0.000268 | | | | | |