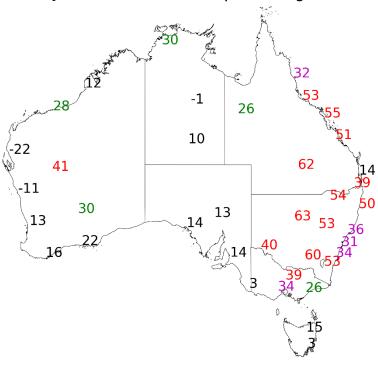
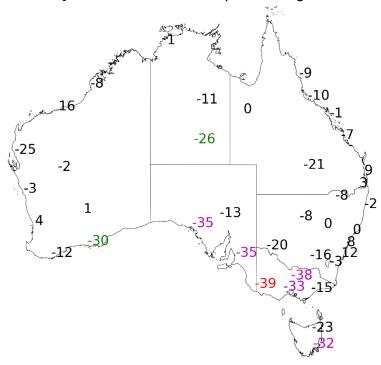
DJF FFDI90-SON ENSO partial lag=1



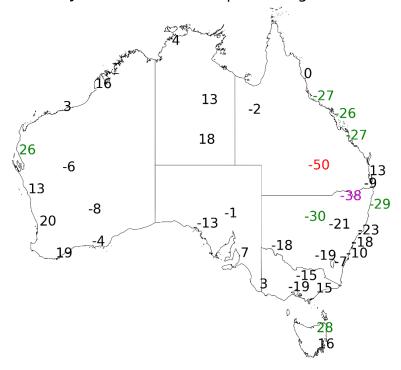
a.

## DJF FFDI90-SON SAM partial lag=1



b.

## DJF FFDI90-SON IOD partial lag=1



c.

S1 Fig. Partial correlation coefficient values multiplied by 100 for DJF 90<sup>th</sup> percentile FFDI and a. SON NINO3.4 b. SON SAM c. SON IOD (one season lag) (1972 – 2017). Significance greater than 99% in red, 95% in magenta and 90% green.