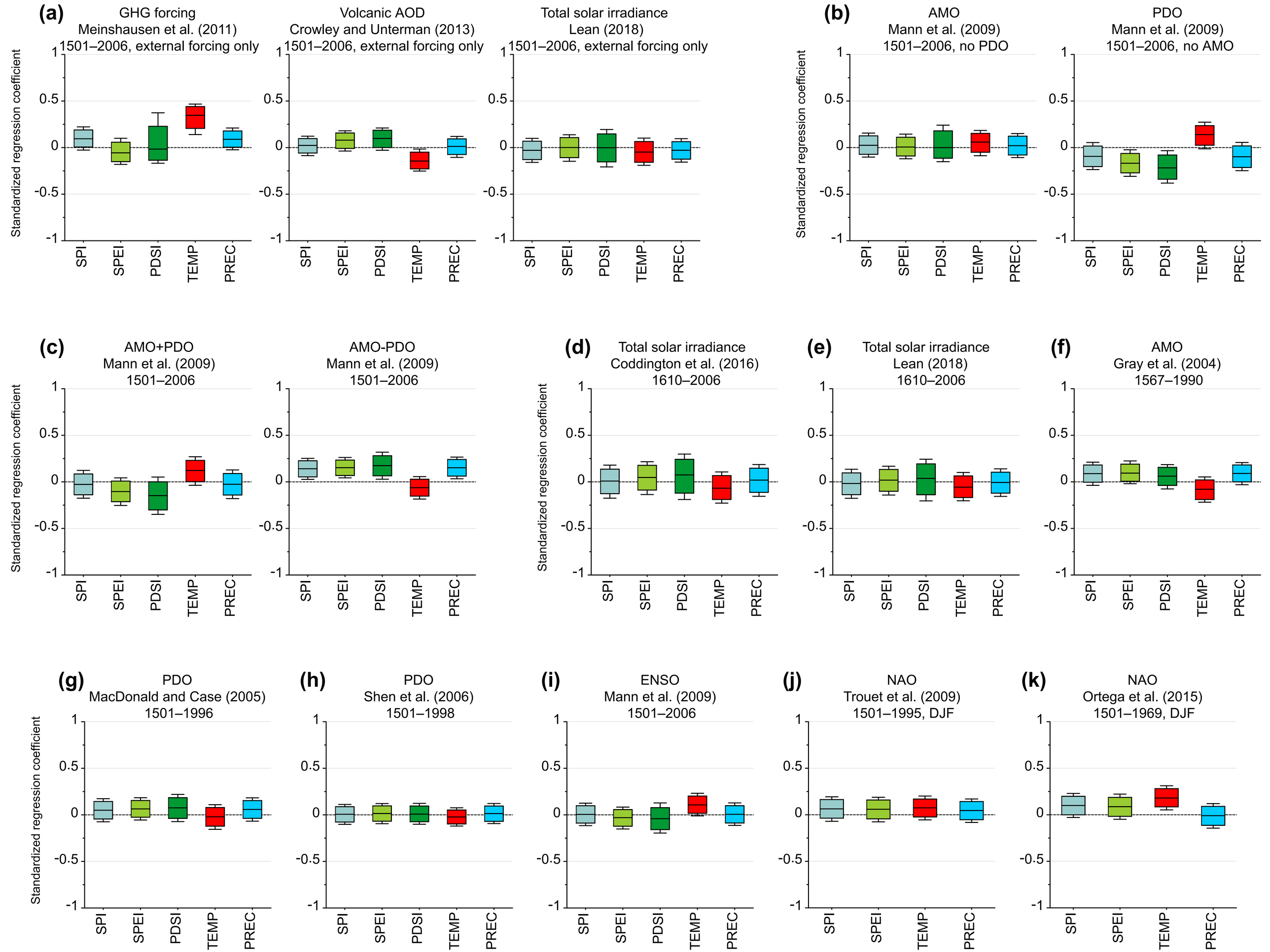
(a)
GHG forcing
Meinshausen et al. (2011)
1501–2006, external forcing only
Volcanic AOD
Crowley and Unterman (2013)
1501–2006, external forcing only
Total solar irradiance
Lean (2018)
1501–2006, external forcing only
(b)
AMO
Mann et al. (2009)
1501–2006, no PDO
PDO
Mann et al. (2009)
1501–2006, no AMO
(c)
AMO+PDO
Mann et al. (2009)
1501–2006
AMO-PDO
Mann et al. (2009)
1501–2006
(d)
Total solar irradiance
Coddington et al. (2016)
1610–2006
(e)
Total solar irradiance
Lean (2018)
1610–2006
(f)
AMO
Gray et al. (2004)
1567–1990
(g)
PDO
MacDonald and Case (2005)
1501–1996
(h)
PDO
Shen et al. (2006)
1501–1998
(i)
ENSO
Mann et al. (2009)
1501–2006
(j)
NAO
Trouet et al. (2009)
1501–1995, DJF
(k)
NAO
Ortega et al. (2015)
1501–1969, DJF
Standardized regression coefficient
1
0.5
0
-0.5
-1
SPI
SPEI
PDSI
TEMP
PREC