

Table S-D01 *Penilia avirrostris* trends in the western Mediterranean Sea (2007-2017)

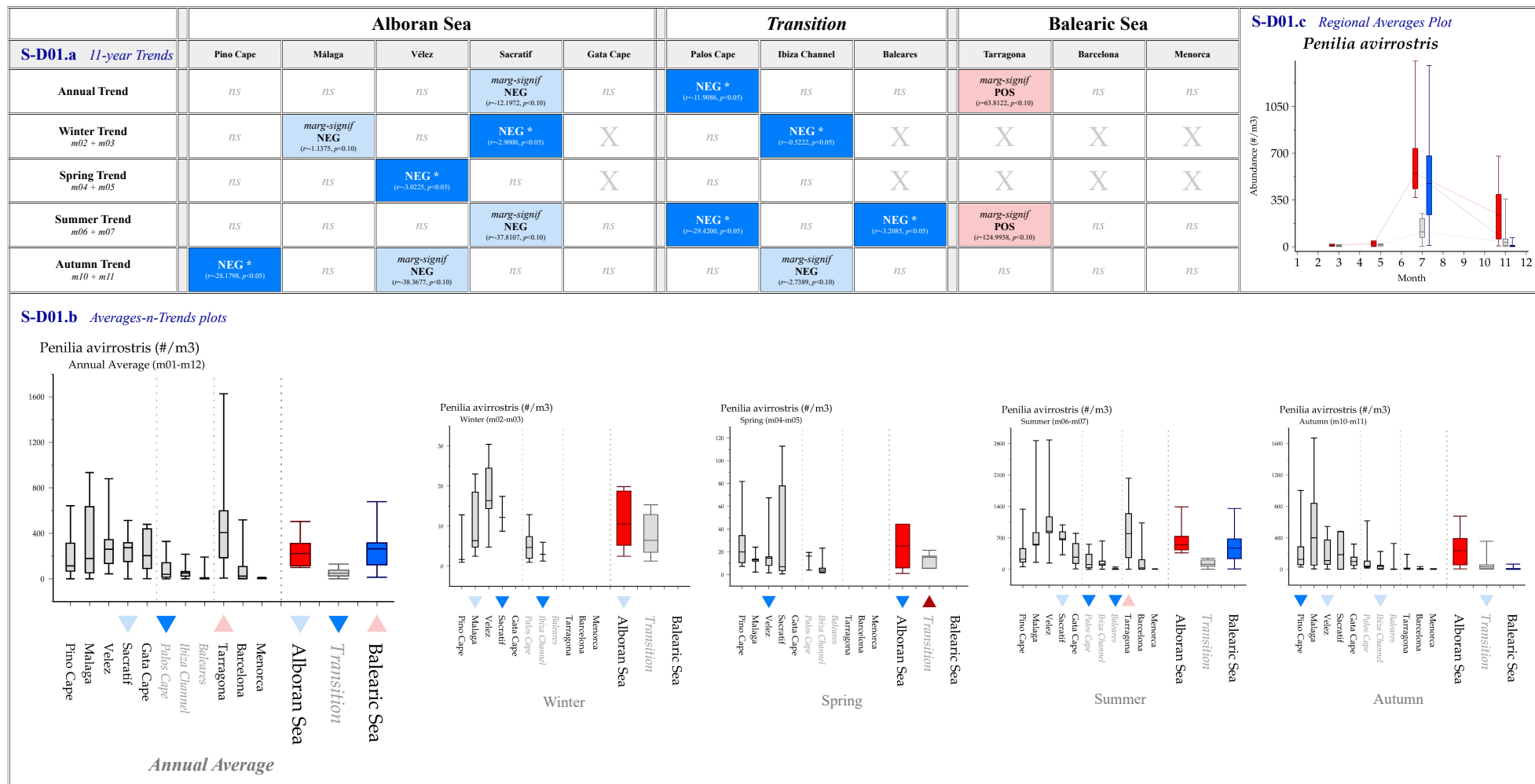


Table S-D02 *Evadne spinifera* trends in the western Mediterranean Sea (2007-2017)

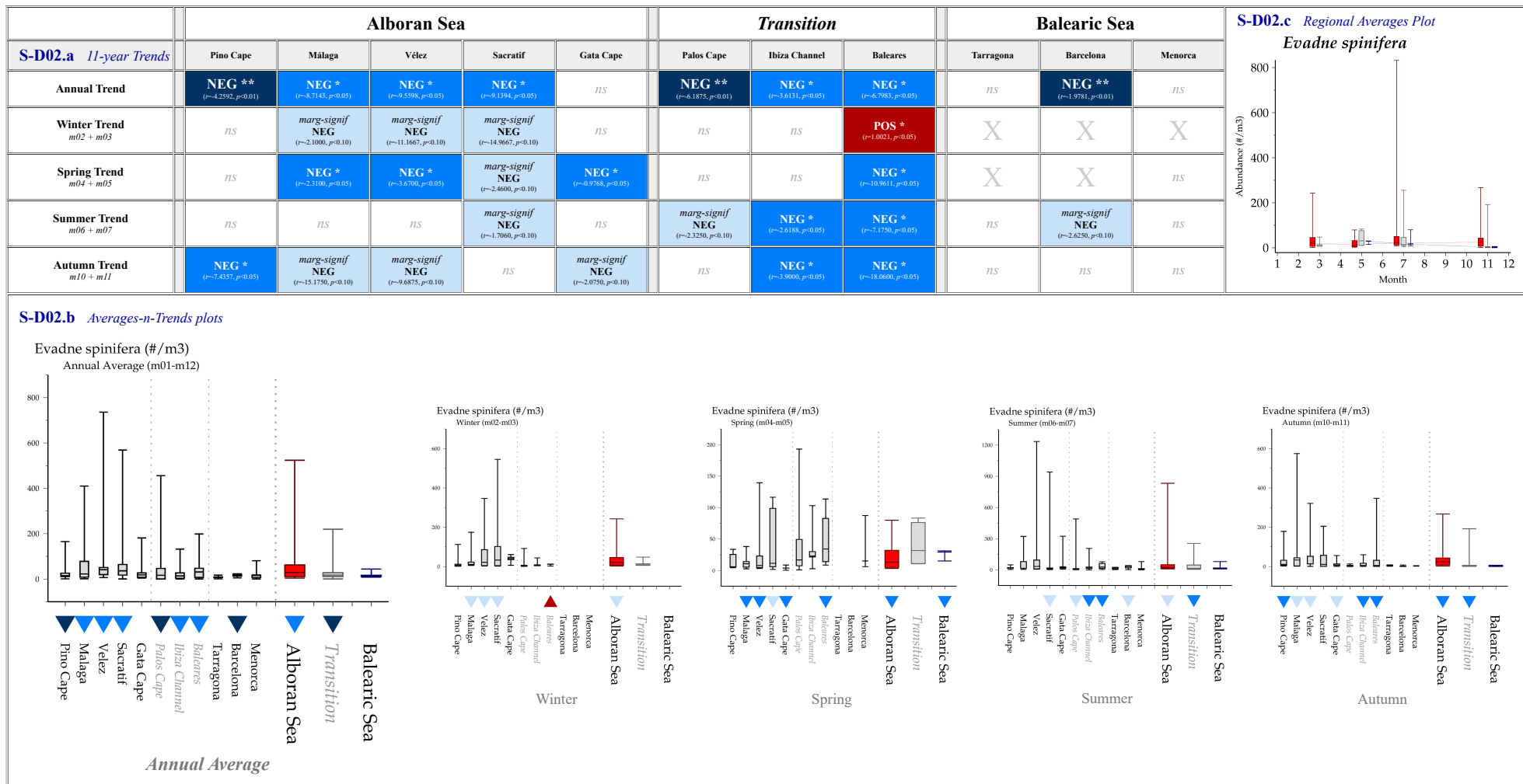


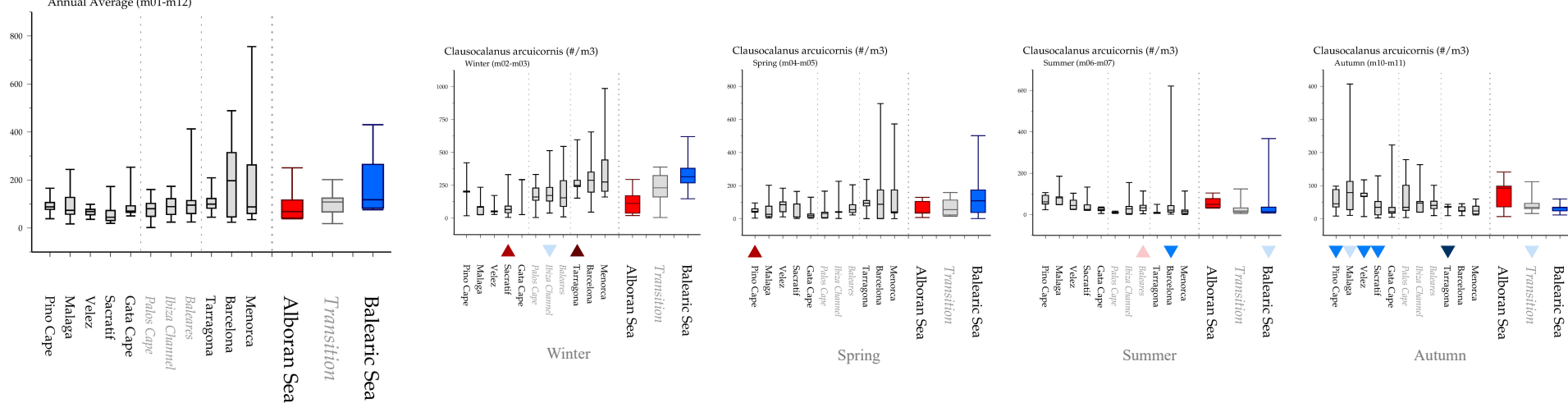
Table S-D03 *Clausocalanus arcuicornis* trends in the western Mediterranean Sea (2007-2017)

	Alboran Sea					Transition			Balearic Sea			S-D03.c <i>Regional Averages Plot</i> <i>Clausocalanus arcuicornis</i>
S-D03.a <i>11-year Trends</i>	Pino Cape	Málaga	Yélez	Sacratif	Gata Cape	Palos Cape	Ibiza Channel	Baleares	Tarragona	Barcelona	Menorca	
Annual Trend	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	
Winter Trend <i>m02 + m03</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	POS * <i>($r=19.6000, p<0.05$)</i>	<i>n/s</i>	<i>n/s</i>	<i>marg-signif</i> NEG <i>($r=-26.6757, p<0.10$)</i>	<i>n/s</i>	POS ** <i>($r=44.3500, p<0.01$)</i>	<i>n/s</i>	<i>n/s</i>	
Spring Trend <i>m04 + m05</i>	POS * <i>($r=9.7700, p<0.05$)</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	
Summer Trend <i>m06 + m07</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	<i>marg-signif</i> POS <i>($r=5.1292, p<0.10$)</i>	<i>n/s</i>	NEG * <i>($r=-6.3000, p<0.05$)</i>	<i>n/s</i>	
Autumn Trend <i>m10 + m11</i>	NEG * <i>($r=-6.4125, p<0.05$)</i>	<i>marg-signif</i> NEG <i>($r=-14.6214, p<0.10$)</i>	NEG * <i>($r=-10.0250, p<0.05$)</i>	NEG * <i>($r=-9.9200, p<0.05$)</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	<i>n/s</i>	NEG ** <i>($r=-2.9719, p<0.01$)</i>	<i>n/s</i>	<i>n/s</i>	

Month	Alboran Sea (red)	Transition (blue)	Balearic Sea (green)	S-D03.c (grey)
3	180	320	100	200
4	100	180	100	100
5	100	180	100	100
6	100	100	100	100
7	100	100	100	100
8	100	100	100	100
9	100	100	100	100
10	100	100	100	100
11	100	100	100	100
12	100	100	100	100

S-D03.b *Averages-n-Trends plots*

Clausocalanus arcuicornis (#/m3)
Annual Average (m01-m12)



Annual Average

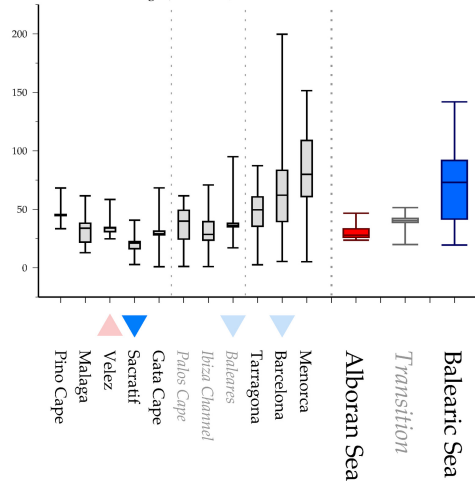
Table S-D04 *Clausocalanus lividus* trends in the western Mediterranean Sea (2007-2017)

	Alboran Sea					Transition			Balearic Sea			<div><div>S-D04.c</div><div>Regional Averages Plot</div><div>Clausocalanus lividus</div><table><caption>Regional Averages Plot Data (Estimated)</caption><tr><th>Month</th><th>Abundance (#/m³)</th></tr><tr><td>1</td><td>~10</td></tr><tr><td>2</td><td>~20</td></tr><tr><td>3</td><td>~100</td></tr><tr><td>4</td><td>~140</td></tr><tr><td>5</td><td>~180</td></tr><tr><td>6</td><td>~170</td></tr><tr><td>7</td><td>~50</td></tr><tr><td>8</td><td>~30</td></tr><tr><td>9</td><td>~20</td></tr><tr><td>10</td><td>~10</td></tr><tr><td>11</td><td>~20</td></tr><tr><td>12</td><td>~30</td></tr></table></div>	Month	Abundance (#/m³)	1	~10	2	~20	3	~100	4	~140	5	~180	6	~170	7	~50	8	~30	9	~20	10	~10	11	~20	12	~30
Month	Abundance (#/m³)																																					
1	~10																																					
2	~20																																					
3	~100																																					
4	~140																																					
5	~180																																					
6	~170																																					
7	~50																																					
8	~30																																					
9	~20																																					
10	~10																																					
11	~20																																					
12	~30																																					
S-D04.a 11-year Trends	Pino Cape	Málaga	Vélez	Sacratif	Gata Cape	Palos Cape	Ibiza Channel	Baleares	Tarragona	Barcelona	Menorca																											
Annual Trend	<i>n</i> S	<i>n</i> S	<i>marg</i> -signif POS (<i>r</i> =2.1655, <i>p</i> =0.10)	NEG * (<i>r</i> =-3.4022, <i>p</i> =0.05)	<i>n</i> S	<i>n</i> S	<i>n</i> S	<i>marg</i> -signif NEG (<i>r</i> =-2.1883, <i>p</i> =0.10)	<i>n</i> S	<i>marg</i> -signif NEG (<i>r</i> =-14.3942, <i>p</i> =0.10)	<i>n</i> S																											
Winter Trend <i>m</i> 02 + <i>m</i> 03	<i>n</i> S	<i>n</i> S	<i>n</i> S	<i>n</i> S	X	<i>n</i> S	NEG * (<i>r</i> =-5.3000, <i>p</i> =0.05)	<i>n</i> S	<i>n</i> S	<i>n</i> S	<i>n</i> S																											
Spring Trend <i>m</i> 04 + <i>m</i> 05	<i>n</i> S	<i>n</i> S	<i>n</i> S	NEG * (<i>r</i> =-6.8390, <i>p</i> =0.05)	<i>n</i> S	<i>n</i> S	POS * (<i>r</i> =20.3875, <i>p</i> =0.05)	NEG * (<i>r</i> =-3.9625, <i>p</i> =0.05)	NEG * (<i>r</i> =-35.8100, <i>p</i> =0.05)	NEG * (<i>r</i> =-66.2400, <i>p</i> =0.05)	<i>n</i> S																											
Summer Trend <i>m</i> 06 + <i>m</i> 07	<i>n</i> S	<i>n</i> S	POS * (<i>r</i> =-11.4557, <i>p</i> =0.05)	<i>n</i> S	<i>n</i> S	<i>n</i> S	NEG * (<i>r</i> =-3.6604, <i>p</i> =0.05)	<i>n</i> S	NEG * (<i>r</i> =-1.7750, <i>p</i> =0.05)	NEG ** (<i>r</i> =-12.4900, <i>p</i> =0.01)	<i>n</i> S																											
Autumn Trend <i>m</i> 10 + <i>m</i> 11	<i>n</i> S	<i>n</i> S	<i>n</i> S	<i>marg</i> -signif NEG (<i>r</i> =-1.1667, <i>p</i> =0.10)	<i>n</i> S	<i>n</i> S	NEG * (<i>r</i> =-6.3292, <i>p</i> =0.05)	<i>marg</i> -signif NEG (<i>r</i> =-1.5833, <i>p</i> =0.10)	NEG * (<i>r</i> =-5.4500, <i>p</i> =0.05)	<i>n</i> S	<i>n</i> S																											

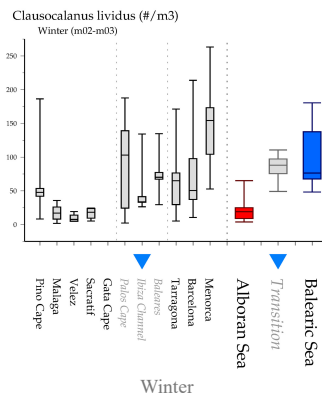
S-D04.b *Averages-n-Trends plots*

Clausocalanus lividus (#/m3)

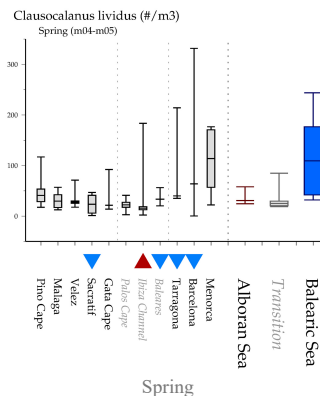
Annual Average (m01-m12)



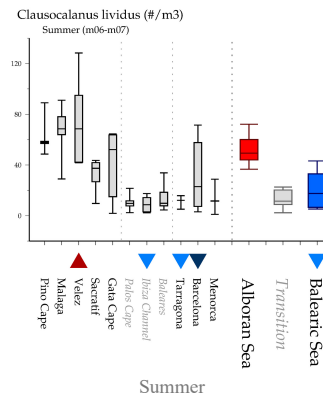
Annual Average



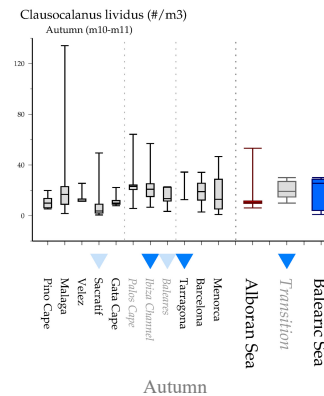
Winter



Spring



Summer



Autumn

Table S-D05 *Clausocalanus furcatus* trends in the western Mediterranean Sea (2007-2017)

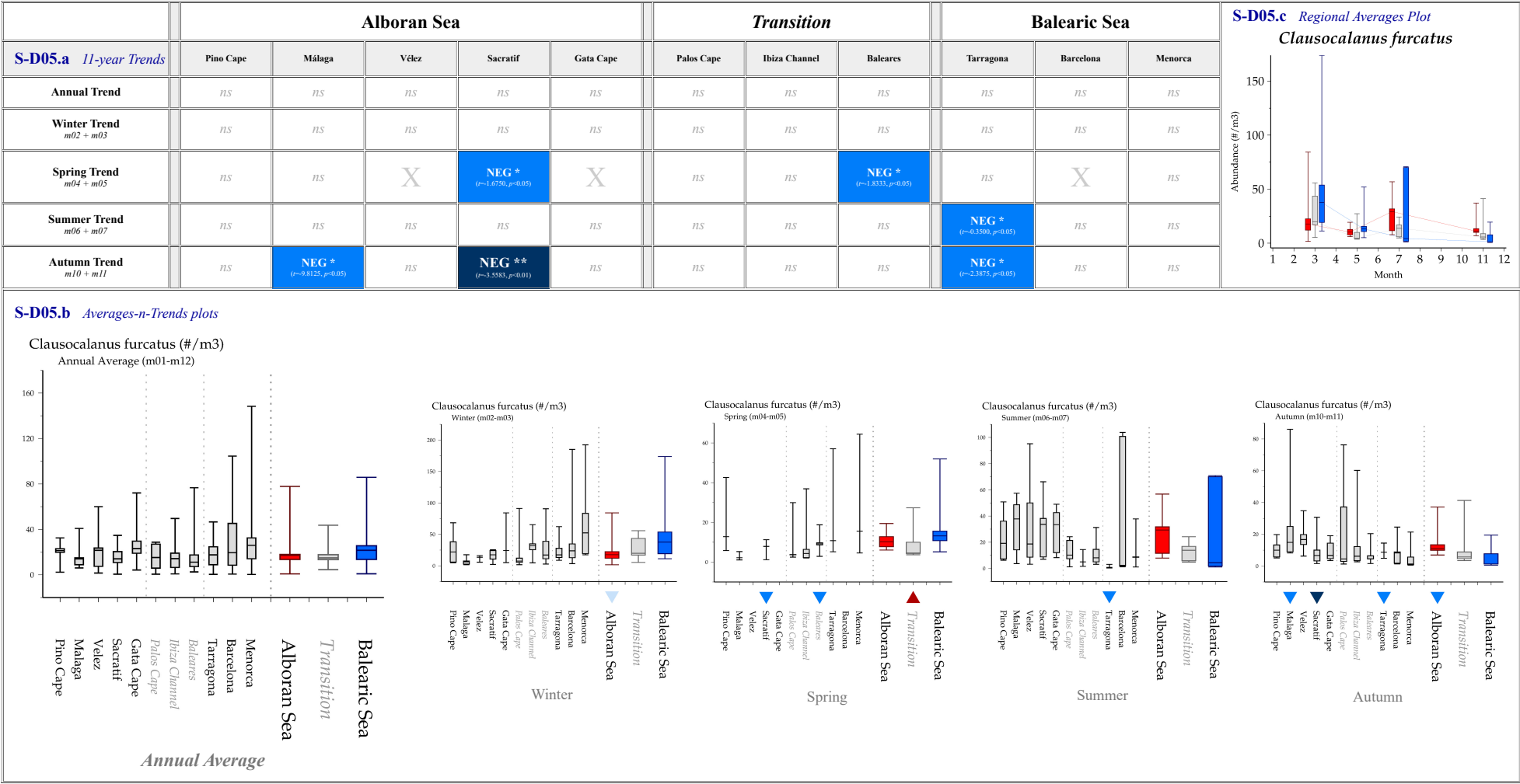


Table S-D06 *Paracalanus parvus* trends in the western Mediterranean Sea (2007-2017)

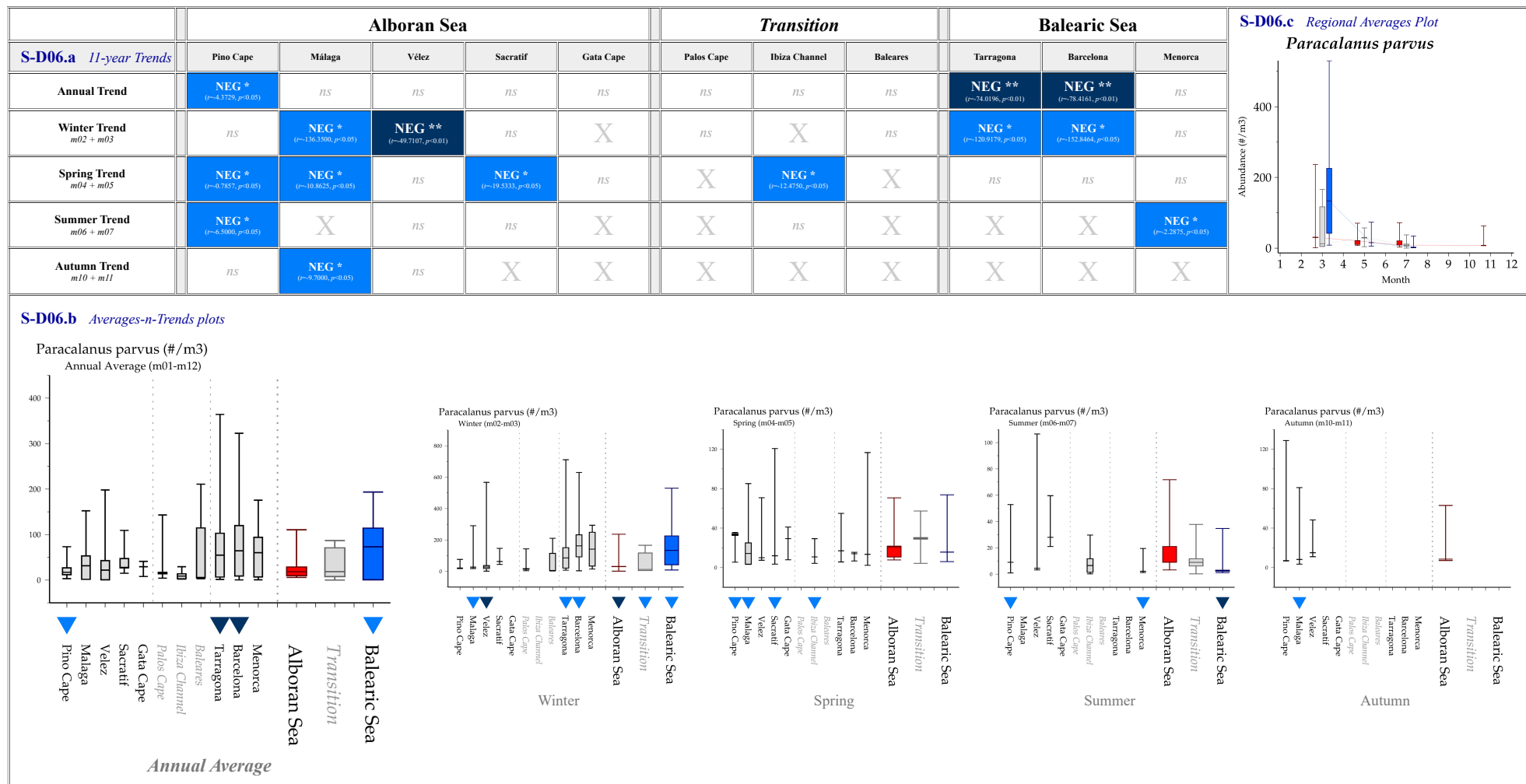
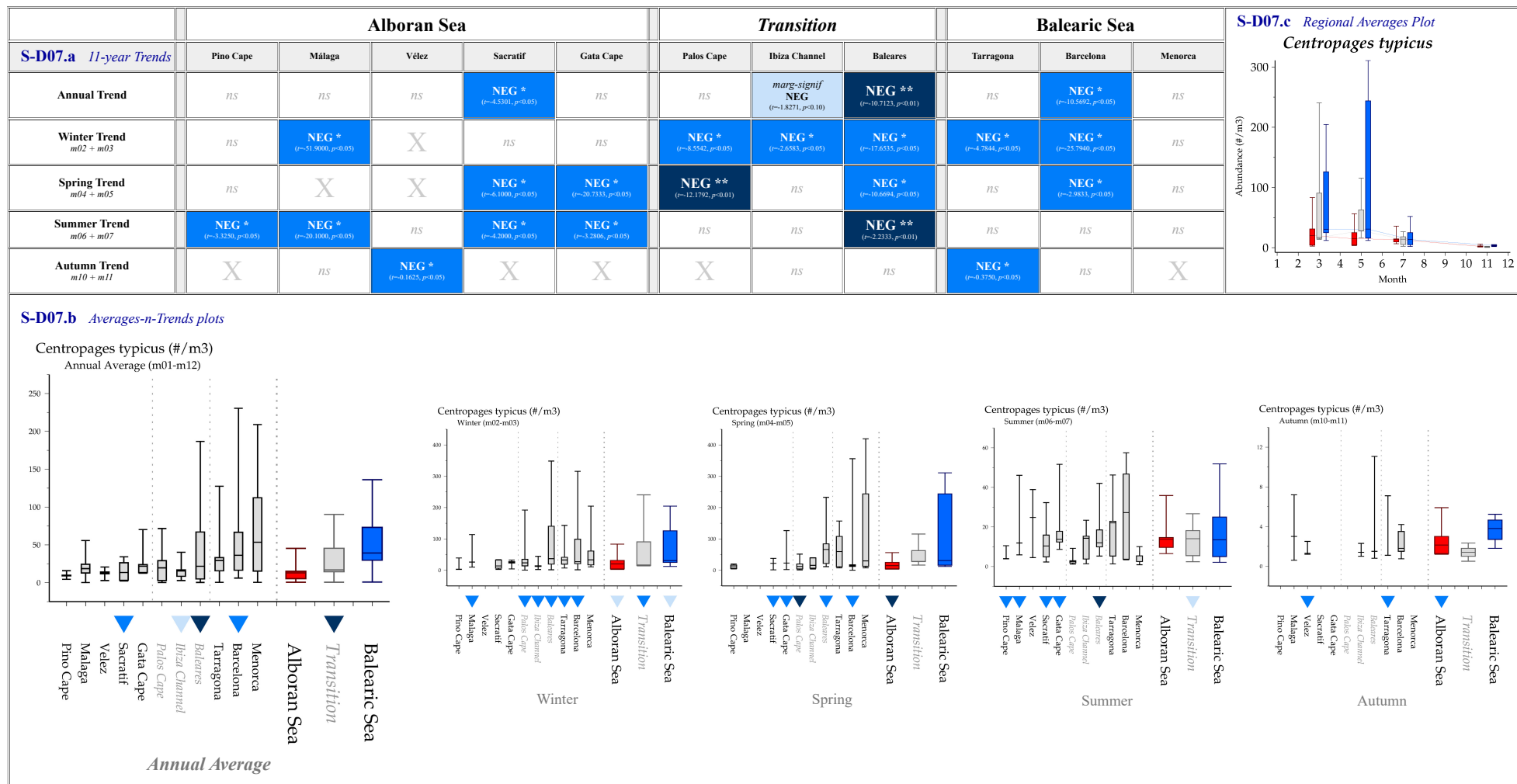


Table S-D07 *Centropages typicus* trends in the western Mediterranean Sea (2007-2017)



S-D07.c *Regional Averages Plot*
Centropages typicus

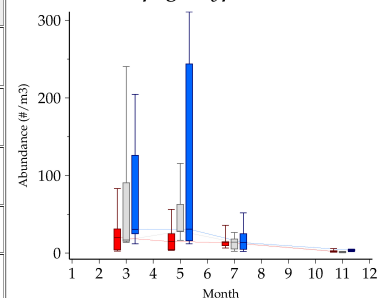


Table S-D08 *Temora stylifera* trends in the western Mediterranean Sea (2007-2017)

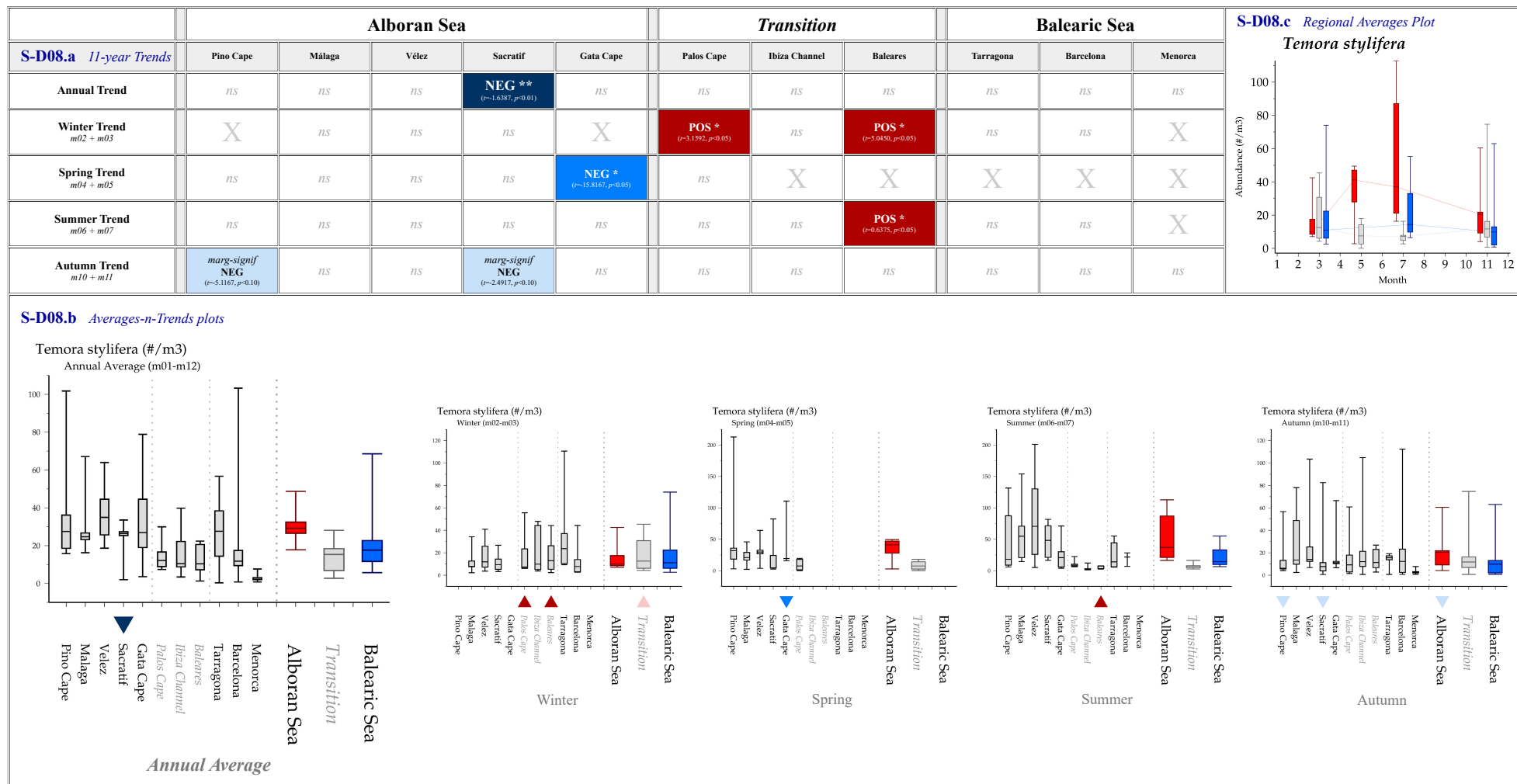


Table S-D09 *Calanus helgolandicus* trends in the western Mediterranean Sea (2007-2017)

</

Table S-D10 *Eucalanus monachus* trends in the western Mediterranean Sea (2007-2017)

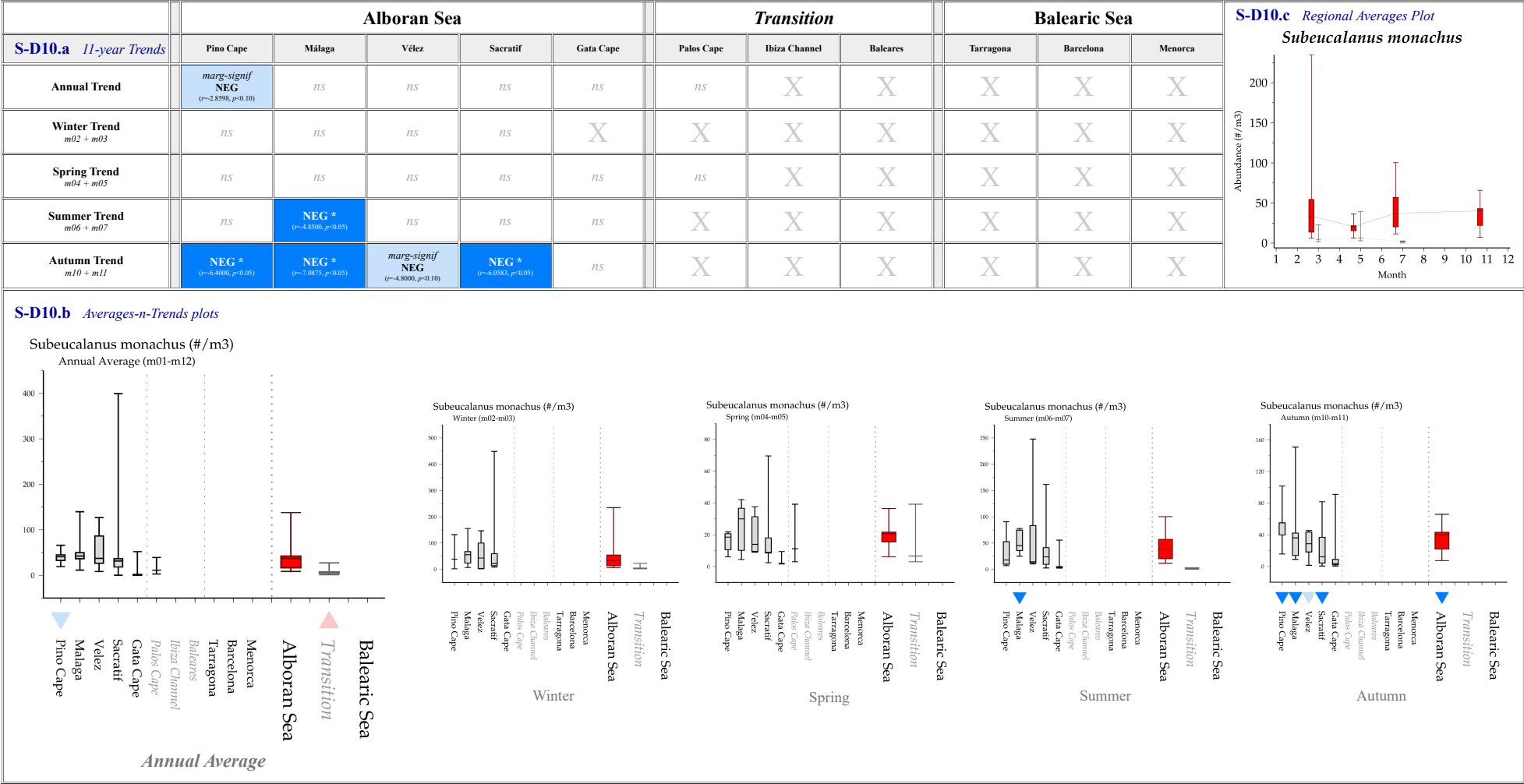


Table S-D11 *Acartia clausi* trends in the western Mediterranean Sea (2007-2017)

