Table S1. Cardiac performance of limpets (n=8-13) in response to increasing acute temperature exposures under both emersed and immersed conditions. Heart rate (bpm) is expressed as means and s.e.m. every 20 min for the 2 h exposure at 15°C, 20°C, 25°C, 30°C, 35°C or 40°C for limpets during both emersion and immersion at a given temperature. Data at 120 min. is plotted in Figure 5A.

<table>
<thead>
<tr>
<th>Temperature (°C)</th>
<th>Treatment</th>
<th>0 min</th>
<th>20 min</th>
<th>40 min</th>
<th>60 min</th>
<th>80 min</th>
<th>100 min</th>
<th>120 min</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>Emersion</td>
<td>16.05±4.81</td>
<td>16.03±3.44</td>
<td>20.88±3.19</td>
<td>20.49±2.94</td>
<td>23.64±3.41</td>
<td>20.19±3.76</td>
<td>25.64±4.11</td>
</tr>
<tr>
<td></td>
<td>Immersion</td>
<td>40.45±3.09</td>
<td>47.08±2.13</td>
<td>44.02±2.93</td>
<td>40.06±4.27</td>
<td>46.03±2.39</td>
<td>43.71±3.0</td>
<td>41.71±2.37</td>
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<td>20</td>
<td>Emersion</td>
<td>27.02±6.32</td>
<td>39.16±7.60</td>
<td>38.71±6.98</td>
<td>46.83±7.60</td>
<td>49.51±7.45</td>
<td>46.82±6.90</td>
<td>56.25±6.05</td>
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<tr>
<td></td>
<td>Immersion</td>
<td>54.16±6.63</td>
<td>52.84±6.19</td>
<td>46.55±5.76</td>
<td>53.39±4.01</td>
<td>51.63±5.65</td>
<td>51.52±5.10</td>
<td>49.31±5.32</td>
</tr>
<tr>
<td>25</td>
<td>Emersion</td>
<td>36.80±10.03</td>
<td>53.13±7.28</td>
<td>57.72±7.71</td>
<td>62.06±7.80</td>
<td>65.07±10.20</td>
<td>62.37±11.51</td>
<td>68.09±9.29</td>
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<tr>
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<td>Immersion</td>
<td>48.18±6.81</td>
<td>38.64±7.56</td>
<td>45.08±7.63</td>
<td>48.35±6.38</td>
<td>38.85±6.46</td>
<td>41.43±6.78</td>
<td>42.95±7.21</td>
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<tr>
<td>30</td>
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<td>39.67±4.40</td>
<td>72.10±5.65</td>
<td>73.39±6.25</td>
<td>71.92±5.83</td>
<td>78.15±3.43</td>
<td>79.45±4.22</td>
<td>74.79±4.81</td>
</tr>
<tr>
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<td>Immersion</td>
<td>78.03±4.65</td>
<td>73.60±4.13</td>
<td>72.69±4.13</td>
<td>71.69±3.50</td>
<td>70.05±3.24</td>
<td>68.43±4.31</td>
<td>67.07±3.98</td>
</tr>
<tr>
<td>35</td>
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<td>56.52±9.00</td>
<td>74.54±11.26</td>
<td>64.58±7.57</td>
<td>56.57±9.15</td>
<td>57.76±9.76</td>
<td>55.05±10.31</td>
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<td>70.85±7.50</td>
<td>67.23±8.36</td>
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<tr>
<td></td>
<td>Immersion</td>
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<td>55.21±6.83</td>
<td>52.01±7.97</td>
<td>51.98±7.51</td>
<td>46.65±8.15</td>
<td>41.08±6.54</td>
<td>38.00±7.12</td>
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</table>
Table S2. Multiple breaks in cardiac performance were observed as dramatic decreases in heart rate during ramped increases in temperatures under emersed and immersed conditions. Temperatures at which the breaks occurred are given in means and s.e.m.

<table>
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<tr>
<th>Total Breaks in Heart Rate</th>
<th>n</th>
<th>1st Break (ºC)</th>
<th>2nd Break (ºC)</th>
<th>Final BPT (ºC)</th>
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<tbody>
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<td><strong>Emersion</strong></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
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<td>6</td>
<td>21.94±1.12</td>
<td>30.45±2.16</td>
<td>38.79±4.71</td>
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<td>10</td>
<td>28.48±1.29</td>
<td>38.94±0.57</td>
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<tr>
<td>3</td>
<td>4</td>
<td>35.60±2.52</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Immersion</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>14</td>
<td>17.55±1.49</td>
<td>27.41±2.02</td>
<td>35.96±0.89</td>
</tr>
<tr>
<td>2</td>
<td>10</td>
<td>24.84±1.36</td>
<td>34.32±0.68</td>
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<tr>
<td>3</td>
<td>5</td>
<td>34.71±0.74</td>
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