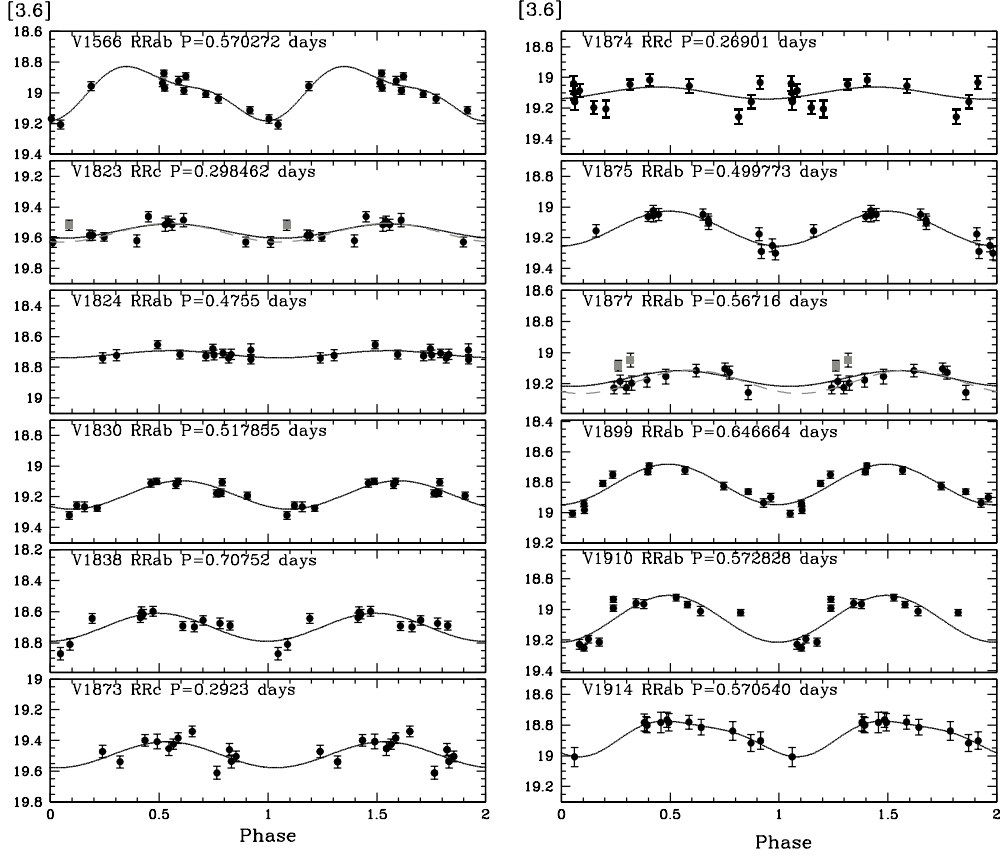


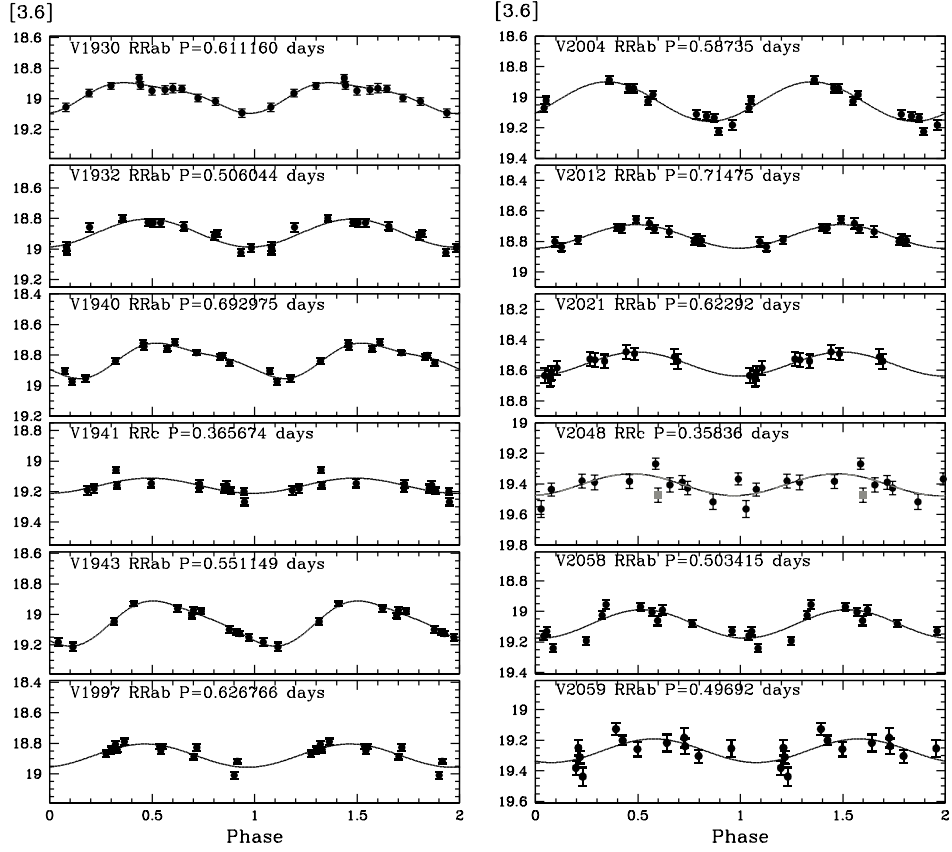
## APPENDIX A: ADDITIONAL FIGURES

Figures [A1](#), [A2](#) and [A3](#) show light curves in the [3.6]-band for our sample of RR Lyrae stars in the Sculptor galaxy, they are the continuation of Figure 2.

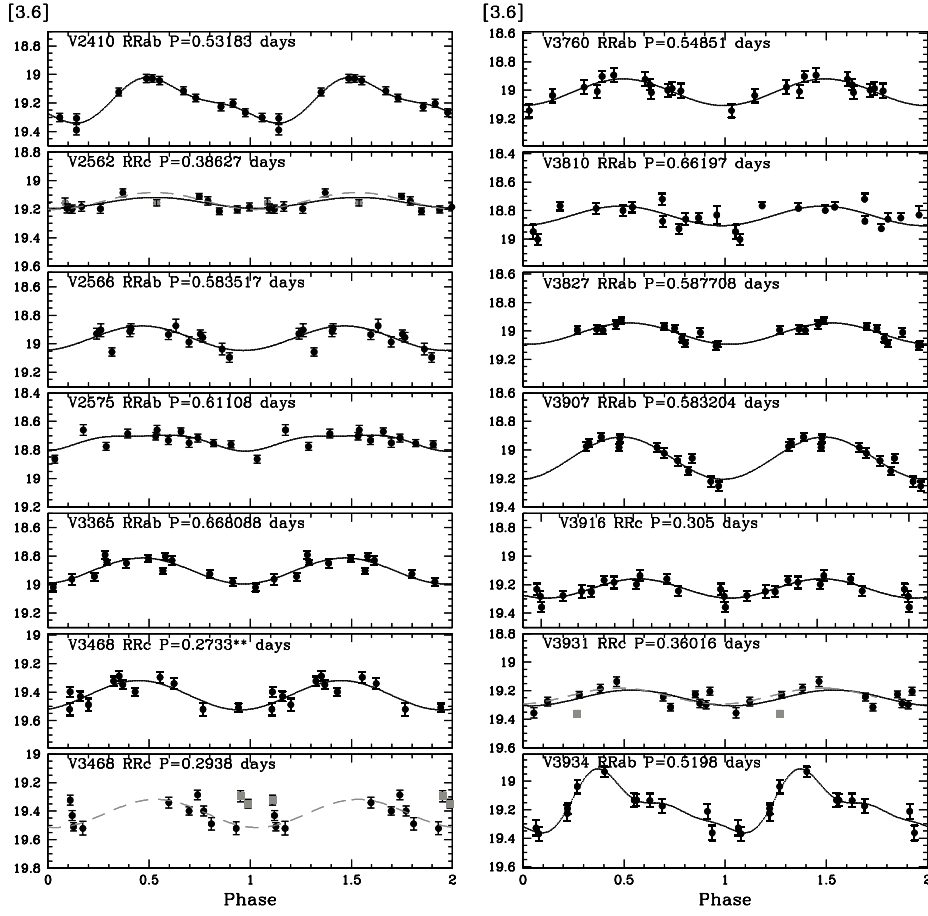
This paper has been typeset from a  $\text{\TeX}/\text{\LaTeX}$  file prepared by the author.



**Figure A1.** Light curves in the [3.6]-band for our sample of 49 RRL in Sculptor. The stars are ordered with increasing ID number adopting the nomenclature from K95 and C05. This figure is the continuation of Fig. 2 in the main text. The solid black lines represent the light curve models generated by GRATIS using all phase-points while the grey dashed lines are the light curve models discarding some points (grey filled squares). V1824 and V1874 are problematic stars not used to fit the PL relations (see Sect. 3.1 and Table 1).



**Figure A2.** Same as Figure A1. Grey filled squares mark data points that were discarded when fitting the light curves with GRATIS. V2021 is a problematic star not used to fit the PL relations (see Sect. 3.1 and Table 1).



**Figure A3.** Same as Figure A2. Both the period derived from the analysis of our data with GRATIS and the original period from K95 were used to fold the light curve of V3468 in the bottom-left two panels (see Sect. 3.1 for details).