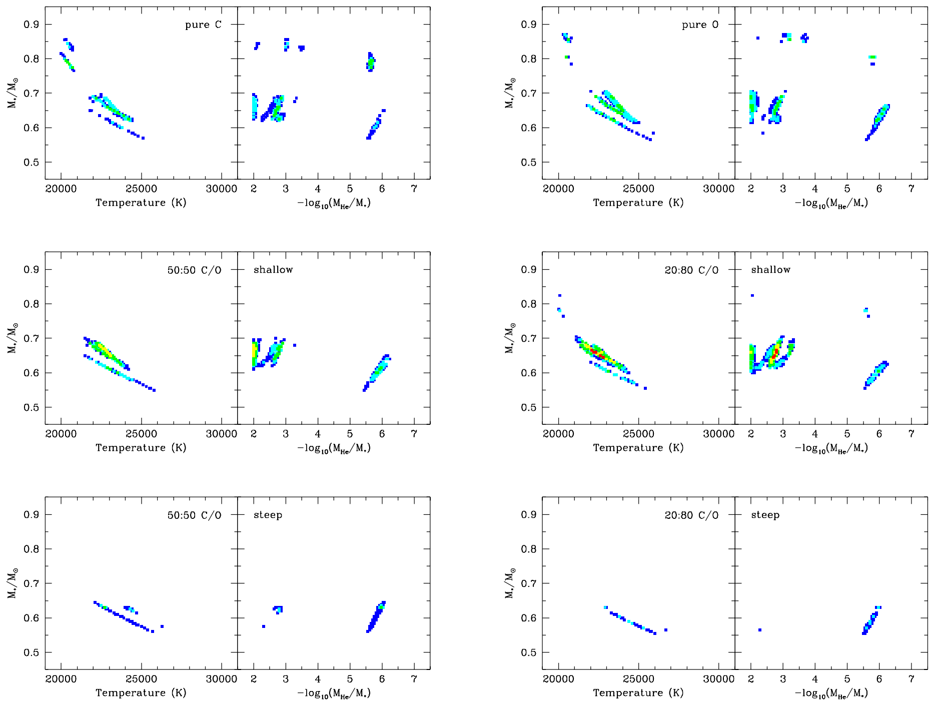

Figure 4.4: The families of models found by the GA which yield good matches to the periods observed in GD 358 for various core compositions and internal chemical profiles. The quality of the fit is indicated by the color of the square: r.m.s. < 3.0 seconds (blue), < 2.75 seconds (cyan), < 2.5 seconds (green), < 2.0 seconds (yellow), and < 1.65 seconds (red).