Table 1: Model parameters for the evolved solution that was analyzed in detail.

Parameter	Value
$ au_{ ext{SMDD}},  au_{ ext{SMDV}}$	0.500646
$ au_{ m RMDD},  au_{ m RMDV}  ag{7}_{ m RMDV}$	0.502018
$ au_{\mathrm{DB}},  au_{\mathrm{RMDV}}  ag{7DB},  au_{\mathrm{VB}}$	0.502865
$ au_{ m VD},  au_{ m VD}$	1.67861
$\theta_{\mathrm{SMDD}}, \theta_{\mathrm{SMDV}}$	6.27095
U	-3.65014
$\theta_{\text{RMDD}},  \theta_{\text{RMDV}}$	4.80699
$\theta_{\mathrm{DB}},\theta_{\mathrm{VB}}$	-2.94785
$\theta_{ m DD},  heta_{ m VD}$	
$w_{\text{SMDD,SMDD}}, w_{\text{SMDV,SMDV}}$	-14.9121
$w_{\text{RMDD,RMDD}}, w_{\text{RMDV,RMDV}}$	6.62512
$w_{\mathrm{DB,DB}}, w_{\mathrm{VB,VB}}$	-14.9544
$w_{\rm DD,DD}, w_{\rm VD,VD}$	1.13632
$w_{\rm SMDD,SMDV}, w_{\rm SMDV,SMDD}$	-11.2755
$w_{\rm SMDD,RMDV}, w_{\rm SMDV,RMDD}$	14.9933
$w_{\rm RMDD,RMDV}, w_{\rm RMDV,RMDD}$	-11.6075
$w_{\mathrm{DB},\mathrm{DD}},w_{\mathrm{VB},\mathrm{VD}}$	-9.79669
$w_{ m DB,VD}$	12.3531
$w_{ m VB,DD}$	6.17657
$w_{ m DD,VD}$	1.66374
$g_{\text{SMDD,RMDD}}, g_{\text{SMDV,RMDV}}$	0.0199558
$g_{ m RMDD,RMDV}$	1.51095
$g_{\mathrm{DB^i},\mathrm{DB^{i+1}}},g_{\mathrm{VB^i},\mathrm{VB^{i+1}}}$	0.569164
$g_{\mathrm{DD^i},\mathrm{DD^{i+1}}},g_{\mathrm{VD^i},\mathrm{VD^{i+1}}}$	0.994941
$g_{\mathrm{VB^i},\mathrm{DB^i+1}}$	1.10313
$g_{ m DD,VD}$	1.46108
$r_{\rm SMDD}$ , $r_{\rm SMDV}$	-120.535
$r_{ m DB}$ , $r_{ m VB}$	-165.138
$w_{\text{NMJ,SMDD}}, w_{\text{NMJ,SMDV}}$	0.000371977
$w_{\rm NMJ,RMDD}, w_{\rm NMJ,RMDV}$	1.00000
$w_{\mathrm{NMJ,DB}}, w_{\mathrm{NMJ,VB}}$	1.00000
$w_{\mathrm{NMJ,DD}}, w_{\mathrm{NMJ,VD}}$	-0.00105857