

SUPPLEMENTARY INFORMATION

Machine Learning Prediction of Acute Toxicity with In Vivo Experiments on Tetrazole Derivatives

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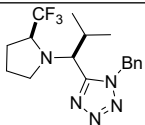
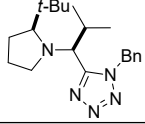
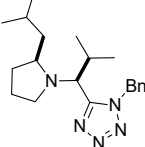
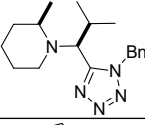
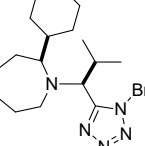
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Table of contents

<i>Table of dosage of investigated compounds.</i>	<i>S2</i>
<i>The model equations of linear regression</i>	<i>S3</i>

Table S1. Table of dosage of investigated compounds.

№	Structure	Dosage, µg/mouse	Dosage, mg/kg
1		40	1.60
2		38	1.52
3		38	1.52
4		34	1.36
5		43	1.72

The model equations of linear regression

$$\begin{aligned}
 y = & -0.0008 + 0.0001 * AATS2d + 0.0002 * GATS1p + 0.0001 * GATS1i + 0.0001 * AATS0d + 0.0001 * AATS1d \\
 & + 0.0000 * SssssGe - 0.0001 * CIC1 - 0.0000 * AATSC2dv + 0.0001 * AATS0dv + 0.0001 * CIC0 + 0.0000 * \\
 & VE3_DzZ + 0.0001 * AATSC1dv + 0.0001 * VE3_Dzm + 0.0000 * VE3_Dzpe + 0.0000 * VE3_Dzi + 0.0000 * \\
 & VE3_D + 0.0000 * VE3_Dzv - 0.0000 * GATS1pe + 0.0000 * VE3_Dzp + 0.0000 * ATSC1pe + 0.0004 * \\
 & AATS2dv - 0.0000 * ETA_shape_p + 0.0000 * VE3_A + 0.0001 * SssS + 0.0001 * fMF + 0.0001 * SpAD_Dzv - \\
 & 0.0000 * n3HRing - 0.0000 * n3AHRing + 0.0000 * JGT10 + 0.0002 * AATS2d^2 + 0.0003 * AATS2d GATS1p + \\
 & 0.0000 * AATS2d GATS1i + 0.0002 * AATS2d AATS0d + 0.0002 * AATS2d AATS1d + 0.0000 * AATS2d \\
 & SssssGe - 0.0000 * AATS2d CIC1 - 0.0001 * AATS2d AATSC2dv + 0.0003 * AATS2d AATS0dv + 0.0000 * \\
 & AATS2d NdsN + 0.0003 * AATS2d CIC0 + 0.0000 * AATS2d VE3_DzZ + 0.0001 * AATS2d AATSC1dv + \\
 & 0.0000 * AATS2d VE3_Dzm - 0.0000 * AATS2d VE3_Dzpe - 0.0000 * AATS2d VE3_Dzi - 0.0000 * AATS2d \\
 & VE3_D - 0.0000 * AATS2d VE3_Dzv - 0.0000 * AATS2d GATS1pe - 0.0000 * AATS2d VE3_Dzp - 0.0000 * \\
 & AATS2d ATSC1pe + 0.0002 * AATS2d AATS2dv - 0.0000 * AATS2d ETA_shape_p - 0.0000 * AATS2d VE3_A \\
 & + 0.0000 * AATS2d SssS + 0.0001 * AATS2d fMF + 0.0000 * AATS2d SpAD_Dzv - 0.0001 * AATS2d n3HRing \\
 & - 0.0001 * AATS2d n3AHRing + 0.0001 * AATS2d JGT10 - 0.0001 * GATS1p^2 + 0.0002 * GATS1p GATS1i + \\
 & 0.0002 * GATS1p AATS0d + 0.0003 * GATS1p AATS1d + 0.0000 * GATS1p SssssGe - 0.0000 * GATS1p CIC1 \\
 & + 0.0001 * GATS1p AATSC2dv + 0.0004 * GATS1p AATS0dv - 0.0000 * GATS1p NdsN + 0.0003 * GATS1p \\
 & CIC0 - 0.0000 * GATS1p VE3_DzZ + 0.0001 * GATS1p AATSC1dv - 0.0000 * GATS1p VE3_Dzm - 0.0001 * \\
 & GATS1p VE3_Dzpe - 0.0001 * GATS1p VE3_Dzi - 0.0001 * GATS1p VE3_D - 0.0001 * GATS1p VE3_Dzv + \\
 & 0.0002 * GATS1p GATS1pe - 0.0001 * GATS1p VE3_Dzp + 0.0000 * GATS1p ATSC1pe + 0.0004 * GATS1p \\
 & AATS2dv + 0.0002 * GATS1p ETA_shape_p - 0.0000 * GATS1p VE3_A + 0.0000 * GATS1p SssS + 0.0001 * \\
 & GATS1p fMF + 0.0000 * GATS1p SpAD_Dzv - 0.0000 * GATS1p JGT10 - 0.0000 * GATS1i^2 + 0.0001 * \\
 & GATS1i AATS0d + 0.0002 * GATS1i AATS1d - 0.0000 * GATS1i SssssGe - 0.0001 * GATS1i CIC1 - 0.0000 * \\
 & GATS1i AATSC2dv + 0.0004 * GATS1i AATS0dv - 0.0000 * GATS1i NdsN + 0.0001 * GATS1i CIC0 - 0.0001 * \\
 & GATS1i VE3_DzZ - 0.0001 * GATS1i AATSC1dv - 0.0001 * GATS1i VE3_Dzm - 0.0002 * GATS1i VE3_Dzpe - \\
 & 0.0002 * GATS1i VE3_Dzi - 0.0002 * GATS1i VE3_D - 0.0002 * GATS1i VE3_Dzv - 0.0001 * GATS1i \\
 & GATS1pe - 0.0002 * GATS1i VE3_Dzp - 0.0000 * GATS1i ATSC1pe + 0.0002 * GATS1i AATS2dv + 0.0001 * \\
 & GATS1i ETA_shape_p - 0.0001 * GATS1i VE3_A + 0.0000 * GATS1i SssS + 0.0001 * GATS1i fMF - 0.0001 * \\
 & GATS1i SpAD_Dzv - 0.0001 * GATS1i n3HRing - 0.0001 * GATS1i n3AHRing - 0.0001 * GATS1i JGT10 + \\
 & 0.0002 * AATS0d^2 + 0.0001 * AATS0d AATS1d + 0.0000 * AATS0d SssssGe - 0.0001 * AATS0d CIC1 - 0.0001 \\
 & * AATS0d AATSC2dv - 0.0000 * AATS0d AATS0dv + 0.0002 * AATS0d CIC0 - 0.0000 * AATS0d VE3_DzZ + \\
 & 0.0001 * AATS0d AATSC1dv - 0.0000 * AATS0d VE3_Dzm - 0.0001 * AATS0d VE3_Dzpe - 0.0001 * AATS0d \\
 & VE3_Dzi - 0.0001 * AATS0d VE3_D - 0.0001 * AATS0d VE3_Dzv - 0.0001 * AATS0d GATS1pe - 0.0001 * \\
 & AATS0d VE3_Dzp - 0.0000 * AATS0d ATSC1pe + 0.0001 * AATS0d AATS2dv + 0.0000 * AATS0d \\
 & ETA_shape_p - 0.0000 * AATS0d VE3_A + 0.0000 * AATS0d SssS + 0.0001 * AATS0d fMF - 0.0001 * AATS0d \\
 & SpAD_Dzv - 0.0000 * AATS0d n3HRing - 0.0000 * AATS0d n3AHRing + 0.0001 * AATS0d JGT10 - 0.0000 * \\
 & AATS1d^2 + 0.0000 * AATS1d SssssGe - 0.0001 * AATS1d CIC1 + 0.0001 * AATS1d AATSC2dv - 0.0002 * \\
 & AATS1d AATS0dv - 0.0000 * AATS1d NdsN + 0.0001 * AATS1d CIC0 + 0.0000 * AATS1d VE3_DzZ + 0.0000 \\
 & * AATS1d AATSC1dv + 0.0000 * AATS1d VE3_Dzm - 0.0000 * AATS1d VE3_Dzpe - 0.0000 * AATS1d \\
 & VE3_Dzi - 0.0000 * AATS1d VE3_D - 0.0000 * AATS1d VE3_Dzv - 0.0000 * AATS1d GATS1pe - 0.0000 * \\
 & AATS1d VE3_Dzp - 0.0001 * AATS1d ATSC1pe + 0.0002 * AATS1d AATS2dv - 0.0001 * AATS1d \\
 & ETA_shape_p + 0.0000 * AATS1d VE3_A + 0.0001 * AATS1d SssS + 0.0002 * AATS1d fMF - 0.0000 * AATS1d \\
 & SpAD_Dzv - 0.0001 * AATS1d n3HRing - 0.0001 * AATS1d n3AHRing + 0.0001 * AATS1d JGT10 - 0.0000 * \\
 & SssssGe^2 - 0.0000 * SssssGe CIC1 - 0.0000 * SssssGe AATSC2dv - 0.0000 * SssssGe NdsN + 0.0000 * SssssGe \\
 & CIC0 + 0.0000 * SssssGe VE3_DzZ + 0.0000 * SssssGe AATSC1dv + 0.0000 * SssssGe VE3_Dzm + 0.0000 * \\
 & SssssGe VE3_Dzpe + 0.0000 * SssssGe VE3_Dzi + 0.0000 * SssssGe VE3_D + 0.0000 * SssssGe VE3_Dzv + \\
 & 0.0000 * SssssGe GATS1pe + 0.0000 * SssssGe VE3_Dzp + 0.0000 * SssssGe ATSC1pe - 0.0000 * SssssGe \\
 & AATS2dv + 0.0000 * SssssGe ETA_shape_p + 0.0000 * SssssGe VE3_A - 0.0000 * SssssGe SssS - 0.0000 * \\
 & SssssGe fMF - 0.0001 * SssssGe SpAD_Dzv + 0.0000 * SssssGe JGT10 - 0.0003 * CIC1^2 + 0.0001 * CIC1 \\
 & AATSC2dv - 0.0003 * CIC1 AATS0dv + 0.0001 * CIC1 NdsN - 0.0001 * CIC1 CIC0 + 0.0000 * CIC1 VE3_DzZ \\
 & + 0.0001 * CIC1 AATSC1dv + 0.0000 * CIC1 VE3_Dzm - 0.0000 * CIC1 VE3_Dzpe - 0.0000 * CIC1 VE3_Dzi - \\
 & 0.0000 * CIC1 VE3_D - 0.0000 * CIC1 VE3_Dzv - 0.0001 * CIC1 GATS1pe - 0.0000 * CIC1 VE3_Dzp + 0.0001 \\
 & * CIC1 ATSC1pe + 0.0002 * CIC1 AATS2dv - 0.0000 * CIC1 ETA_shape_p + 0.0000 * CIC1 VE3_A + 0.0000 * \\
 & CIC1 SssS + 0.0001 * CIC1 fMF - 0.0000 * CIC1 SpAD_Dzv - 0.0000 * CIC1 n3HRing - 0.0000 * CIC1 \\
 & n3AHRing - 0.0000 * CIC1 JGT10 + 0.0001 * AATSC2dv^2 - 0.0002 * AATSC2dv AATS0dv - 0.0000 * \\
 & AATSC2dv NdsN + 0.0002 * AATSC2dv CIC0 + 0.0001 * AATSC2dv VE3_DzZ - 0.0003 * AATSC2dv \\
 & AATSC1dv + 0.0001 * AATSC2dv VE3_Dzm + 0.0000 * AATSC2dv VE3_Dzpe + 0.0000 * AATSC2dv \\
 & VE3_Dzi + 0.0000 * AATSC2dv VE3_D + 0.0000 * AATSC2dv VE3_Dzv - 0.0001 * AATSC2dv GATS1pe + \\
 & 0.0000 * AATSC2dv VE3_Dzp + 0.0001 * AATSC2dv ATSC1pe - 0.0001 * AATSC2dv AATS2dv + 0.0001 * \\
 & AATSC2dv ETA_shape_p - 0.0000 * AATSC2dv VE3_A - 0.0001 * AATSC2dv SssS - 0.0001 * AATSC2dv fMF \\
 & - 0.0000 * AATSC2dv SpAD_Dzv + 0.0000 * AATSC2dv n3HRing + 0.0000 * AATSC2dv n3AHRing - 0.0000 *
 \end{aligned}$$

AATSC2dv JGT10 - 0.0003 * AATS0dv^2 - 0.0002 * AATS0dv NdsN + 0.0002 * AATS0dv CIC0 - 0.0001 * AATS0dv VE3_DzZ + 0.0005 * AATS0dv AATSC1dv - 0.0001 * AATS0dv VE3_Dzm - 0.0001 * AATS0dv VE3_Dzpe - 0.0001 * AATS0dv VE3_Dzi - 0.0001 * AATS0dv VE3_D - 0.0001 * AATS0dv VE3_Dzv + 0.0002 * AATS0dv GATS1pe - 0.0001 * AATS0dv VE3_Dzp + 0.0001 * AATS0dv ATSC1pe + 0.0005 * AATS0dv AATS2dv - 0.0001 * AATS0dv ETA_shape_p - 0.0000 * AATS0dv VE3_A + 0.0001 * AATS0dv SssS + 0.0003 * AATS0dv fMF + 0.0000 * AATS0dv SpAD_Dzv - 0.0002 * AATS0dv n3HRing - 0.0002 * AATS0dv n3AHRing + 0.0002 * AATS0dv JGT10 - 0.0000 * NdsN^2 + 0.0001 * NdsN CIC0 + 0.0000 * NdsN VE3_DzZ - 0.0001 * NdsN AATSC1dv + 0.0000 * NdsN VE3_Dzm + 0.0000 * NdsN VE3_Dzpe + 0.0000 * NdsN VE3_Dzi + 0.0000 * NdsN VE3_D + 0.0000 * NdsN VE3_Dzv - 0.0001 * NdsN GATS1pe - 0.0000 * NdsN VE3_Dzp - 0.0000 * NdsN ATSC1pe - 0.0001 * NdsN AATS2dv + 0.0000 * NdsN ETA_shape_p - 0.0000 * NdsN VE3_A + 0.0000 * NdsN SssS - 0.0000 * NdsN fMF - 0.0000 * NdsN n3HRing - 0.0000 * NdsN n3AHRing - 0.0000 * NdsN JGT10 + 0.0002 * CIC0^2 + 0.0000 * CIC0 VE3_DzZ + 0.0002 * CIC0 AATSC1dv + 0.0000 * CIC0 VE3_Dzm - 0.0000 * CIC0 VE3_Dzpe - 0.0000 * CIC0 VE3_Dzi - 0.0000 * CIC0 VE3_D + 0.0000 * CIC0 VE3_Dzv + 0.0000 * CIC0 GATS1pe + 0.0000 * CIC0 VE3_Dzp - 0.0000 * CIC0 ATSC1pe + 0.0006 * CIC0 AATS2dv + 0.0000 * CIC0 ETA_shape_p + 0.0000 * CIC0 VE3_A + 0.0001 * CIC0 SssS + 0.0001 * CIC0 fMF + 0.0000 * CIC0 SpAD_Dzv + 0.0000 * CIC0 n3HRing + 0.0000 * CIC0 n3AHRing + 0.0001 * CIC0 JGT10 - 0.0001 * VE3_DzZ^2 - 0.0001 * VE3_DzZ AATSC1dv - 0.0001 * VE3_DzZ VE3_Dzm - 0.0000 * VE3_DzZ VE3_Dzpe - 0.0000 * VE3_DzZ VE3_Dzi - 0.0000 * VE3_DzZ VE3_D - 0.0000 * VE3_DzZ VE3_Dzv + 0.0001 * VE3_DzZ GATS1pe - 0.0001 * VE3_DzZ VE3_Dzp - 0.0000 * VE3_DzZ ATSC1pe - 0.0001 * VE3_DzZ AATS2dv + 0.0000 * VE3_DzZ ETA_shape_p - 0.0000 * VE3_DzZ VE3_A - 0.0001 * VE3_DzZ SssS - 0.0000 * VE3_DzZ fMF - 0.0001 * VE3_DzZ SpAD_Dzv + 0.0000 * VE3_DzZ n3HRing + 0.0000 * VE3_DzZ n3AHRing + 0.0000 * VE3_DzZ JGT10 + 0.0002 * AATSC1dv^2 - 0.0001 * AATSC1dv VE3_Dzm - 0.0000 * AATSC1dv VE3_Dzpe - 0.0000 * AATSC1dv VE3_Dzi - 0.0000 * AATSC1dv VE3_D - 0.0000 * AATSC1dv VE3_Dzv + 0.0000 * AATSC1dv GATS1pe - 0.0000 * AATSC1dv VE3_Dzp + 0.0001 * AATSC1dv ATSC1pe - 0.0001 * AATSC1dv AATS2dv - 0.0000 * AATSC1dv ETA_shape_p - 0.0001 * AATSC1dv VE3_A - 0.0000 * AATSC1dv SssS - 0.0000 * AATSC1dv fMF + 0.0000 * AATSC1dv SpAD_Dzv + 0.0000 * AATSC1dv n3HRing + 0.0000 * AATSC1dv n3AHRing + 0.0000 * AATSC1dv JGT10 - 0.0001 * VE3_Dzm^2 - 0.0000 * VE3_Dzm VE3_Dzpe - 0.0000 * VE3_Dzm VE3_Dzi - 0.0000 * VE3_Dzm VE3_D - 0.0000 * VE3_Dzm VE3_Dzv + 0.0001 * VE3_Dzm GATS1pe - 0.0001 * VE3_Dzm VE3_Dzp - 0.0000 * VE3_Dzm ATSC1pe - 0.0001 * VE3_Dzm AATS2dv + 0.0000 * VE3_Dzm ETA_shape_p - 0.0000 * VE3_Dzm VE3_A - 0.0001 * VE3_Dzm SssS - 0.0000 * VE3_Dzm fMF - 0.0000 * VE3_Dzm SpAD_Dzv + 0.0000 * VE3_Dzm n3HRing + 0.0000 * VE3_Dzm n3AHRing + 0.0001 * VE3_Dzm JGT10 + 0.0000 * VE3_Dzpe^2 + 0.0000 * VE3_Dzpe VE3_Dzi + 0.0000 * VE3_Dzpe VE3_D + 0.0000 * VE3_Dzpe VE3_Dzv + 0.0000 * VE3_Dzpe GATS1pe - 0.0000 * VE3_Dzpe VE3_Dzp - 0.0000 * VE3_Dzpe ATSC1pe - 0.0000 * VE3_Dzpe AATS2dv + 0.0000 * VE3_Dzpe ETA_shape_p + 0.0000 * VE3_Dzpe VE3_A - 0.0001 * VE3_Dzpe SssS - 0.0000 * VE3_Dzpe fMF + 0.0001 * VE3_Dzpe SpAD_Dzv + 0.0000 * VE3_Dzpe n3HRing + 0.0000 * VE3_Dzpe n3AHRing + 0.0000 * VE3_Dzpe JGT10 + 0.0000 * VE3_Dzi^2 - 0.0000 * VE3_Dzi VE3_D + 0.0000 * VE3_Dzi GATS1pe - 0.0000 * VE3_Dzi VE3_Dzp - 0.0000 * VE3_Dzi ATSC1pe - 0.0001 * VE3_Dzi AATS2dv + 0.0000 * VE3_Dzi ETA_shape_p + 0.0000 * VE3_Dzi VE3_A - 0.0001 * VE3_Dzi SssS - 0.0000 * VE3_Dzi fMF - 0.0001 * VE3_Dzi SpAD_Dzv + 0.0000 * VE3_Dzi n3HRing + 0.0000 * VE3_Dzi n3AHRing + 0.0000 * VE3_Dzi JGT10 - 0.0000 * VE3_D^2 - 0.0000 * VE3_D VE3_Dzv + 0.0000 * VE3_D GATS1pe - 0.0000 * VE3_D VE3_Dzp - 0.0000 * VE3_D ATSC1pe - 0.0001 * VE3_D AATS2dv + 0.0000 * VE3_D ETA_shape_p + 0.0000 * VE3_D VE3_A - 0.0001 * VE3_D SssS - 0.0000 * VE3_D fMF - 0.0002 * VE3_D SpAD_Dzv + 0.0000 * VE3_D n3HRing + 0.0000 * VE3_D n3AHRing + 0.0000 * VE3_D JGT10 + 0.0000 * VE3_Dzv GATS1pe - 0.0000 * VE3_Dzv VE3_Dzp - 0.0000 * VE3_Dzv ATSC1pe - 0.0001 * VE3_Dzv AATS2dv + 0.0000 * VE3_Dzv ETA_shape_p + 0.0000 * VE3_Dzv VE3_A - 0.0001 * VE3_Dzv SssS - 0.0000 * VE3_Dzv fMF + 0.0001 * VE3_Dzv SpAD_Dzv + 0.0000 * VE3_Dzv n3HRing + 0.0000 * VE3_Dzv n3AHRing + 0.0000 * VE3_Dzv JGT10 - 0.0001 * GATS1pe^2 + 0.0001 * GATS1pe VE3_Dzp - 0.0000 * GATS1pe ATSC1pe + 0.0000 * GATS1pe AATS2dv + 0.0001 * GATS1pe ETA_shape_p + 0.0001 * GATS1pe VE3_A + 0.0001 * GATS1pe SssS - 0.0000 * GATS1pe fMF - 0.0000 * GATS1pe SpAD_Dzv + 0.0000 * GATS1pe n3HRing + 0.0000 * GATS1pe n3AHRing - 0.0000 * GATS1pe JGT10 - 0.0000 * VE3_Dzp^2 - 0.0000 * VE3_Dzp ATSC1pe - 0.0001 * VE3_Dzp AATS2dv + 0.0000 * VE3_Dzp ETA_shape_p - 0.0000 * VE3_Dzp VE3_A - 0.0001 * VE3_Dzp SssS - 0.0000 * VE3_Dzp fMF + 0.0002 * VE3_Dzp SpAD_Dzv + 0.0000 * VE3_Dzp n3HRing + 0.0000 * VE3_Dzp n3AHRing + 0.0000 * VE3_Dzp JGT10 + 0.0002 * ATSC1pe^2 - 0.0002 * ATSC1pe AATS2dv - 0.0001 * ATSC1pe ETA_shape_p - 0.0000 * ATSC1pe VE3_A + 0.0001 * ATSC1pe SssS - 0.0001 * ATSC1pe fMF - 0.0000 * ATSC1pe SpAD_Dzv + 0.0000 * ATSC1pe n3HRing + 0.0000 * ATSC1pe n3AHRing - 0.0000 * ATSC1pe JGT10 - 0.0002 * AATS2dv^2 - 0.0000 * AATS2dv ETA_shape_p - 0.0000 * AATS2dv VE3_A - 0.0000 * AATS2dv SssS + 0.0000 * AATS2dv fMF - 0.0000 * AATS2dv SpAD_Dzv - 0.0001 * AATS2dv n3HRing - 0.0001 * AATS2dv n3AHRing + 0.0001 * AATS2dv JGT10 - 0.0001 * ETA_shape_p^2 + 0.0000 * ETA_shape_p VE3_A + 0.0001 * ETA_shape_p SssS - 0.0000 * ETA_shape_p fMF - 0.0000 * ETA_shape_p SpAD_Dzv + 0.0000 * ETA_shape_p n3HRing + 0.0000 * ETA_shape_p n3AHRing + 0.0000 * ETA_shape_p JGT10 - 0.0001 * VE3_A SssS - 0.0000 * VE3_A fMF + 0.0000 * VE3_A SpAD_Dzv + 0.0000 * VE3_A n3HRing + 0.0000 * VE3_A n3AHRing + 0.0000 * VE3_A JGT10 + 0.0000 * SssS^2 + 0.0000 * SssS fMF

- 0.0000 * Ssss SpAD_Dzv + 0.0000 * Ssss n3HRing + 0.0000 * Ssss n3AHRing - 0.0000 * Ssss JGT10 + 0.0000 * fMF^2 + 0.0001 * fMF SpAD_Dzv - 0.0000 * fMF n3HRing - 0.0000 * fMF n3AHRing + 0.0000 * fMF JGT10 + 0.0000 * SpAD_Dzv n3HRing + 0.0000 * SpAD_Dzv n3AHRing + 0.0001 * SpAD_Dzv JGT10 - 0.0000 * n3HRing^2 - 0.0000 * n3HRing n3AHRing + 0.0000 * n3HRing JGT10 - 0.0000 * n3AHRing^2 + 0.0000 * n3AHRing JGT10 + 0.0000 * JGT10^2 - 0.0002 * AATS2d^3 + 0.0001 * AATS2d^2 GATS1p + 0.0000 * AATS2d^2 GATS1i - 0.0001 * AATS2d^2 AATS0d - 0.0001 * AATS2d^2 AATS1d + 0.0001 * AATS2d^2 SsssGe + 0.0001 * AATS2d^2 CIC1 + 0.0002 * AATS2d^2 AATSC2dv - 0.0000 * AATS2d^2 AATS0dv - 0.0001 * AATS2d^2 NdsN + 0.0002 * AATS2d^2 CIC0 + 0.0000 * AATS2d^2 VE3_DzZ + 0.0000 * AATS2d^2 AATSC1dv + 0.0000 * AATS2d^2 VE3_Dzm + 0.0001 * AATS2d^2 VE3_Dzpe + 0.0000 * AATS2d^2 VE3_Dzi + 0.0000 * AATS2d^2 VE3_D - 0.0001 * AATS2d^2 GATS1pe - 0.0001 * AATS2d^2 VE3_Dzp + 0.0003 * AATS2d^2 ATSC1pe + 0.0003 * AATS2d^2 AATS2dv - 0.0000 * AATS2d^2 ETA_shape_p - 0.0002 * AATS2d^2 VE3_A - 0.0000 * AATS2d^2 Ssss - 0.0000 * AATS2d^2 fMF - 0.0000 * AATS2d^2 SpAD_Dzv + 0.0000 * AATS2d^2 n3HRing + 0.0000 * AATS2d^2 n3AHRing - 0.0001 * AATS2d^2 JGT10 - 0.0001 * AATS2d GATS1p^2 + 0.0001 * AATS2d GATS1p GATS1i + 0.0000 * AATS2d GATS1p AATS0d + 0.0002 * AATS2d GATS1p AATS1d + 0.0000 * AATS2d GATS1p SsssGe - 0.0001 * AATS2d GATS1p CIC1 - 0.0001 * AATS2d GATS1p AATSC2dv + 0.0000 * AATS2d GATS1p AATS0dv + 0.0000 * AATS2d GATS1p NdsN + 0.0002 * AATS2d GATS1p CIC0 + 0.0000 * AATS2d GATS1p VE3_DzZ - 0.0002 * AATS2d GATS1p AATSC1dv + 0.0000 * AATS2d GATS1p VE3_Dzm - 0.0000 * AATS2d GATS1p VE3_Dzpe - 0.0000 * AATS2d GATS1p VE3_Dzi - 0.0000 * AATS2d GATS1p VE3_D - 0.0000 * AATS2d GATS1p VE3_Dzv + 0.0000 * AATS2d GATS1p GATS1pe - 0.0000 * AATS2d GATS1p VE3_Dzp + 0.0001 * AATS2d GATS1p ATSC1pe - 0.0005 * AATS2d GATS1p AATS2dv + 0.0002 * AATS2d GATS1p ETA_shape_p - 0.0001 * AATS2d GATS1p VE3_A + 0.0003 * AATS2d GATS1p Ssss + 0.0001 * AATS2d GATS1p fMF + 0.0000 * AATS2d GATS1p SpAD_Dzv + 0.0000 * AATS2d GATS1p n3HRing + 0.0000 * AATS2d GATS1p n3AHRing + 0.0000 * AATS2d GATS1p JGT10 - 0.0003 * AATS2d GATS1i^2 + 0.0000 * AATS2d GATS1i AATS0d + 0.0000 * AATS2d GATS1i AATS1d + 0.0000 * AATS2d GATS1i SsssGe - 0.0002 * AATS2d GATS1i CIC1 + 0.0000 * AATS2d GATS1i AATSC2dv - 0.0000 * AATS2d GATS1i AATS0dv + 0.0000 * AATS2d GATS1i NdsN - 0.0002 * AATS2d GATS1i CIC0 + 0.0001 * AATS2d GATS1i VE3_DzZ - 0.0001 * AATS2d GATS1i AATSC1dv + 0.0002 * AATS2d GATS1i VE3_Dzm + 0.0001 * AATS2d GATS1i VE3_Dzpe + 0.0001 * AATS2d GATS1i VE3_Dzi + 0.0001 * AATS2d GATS1i VE3_D + 0.0001 * AATS2d GATS1i VE3_Dzv - 0.0003 * AATS2d GATS1i GATS1pe + 0.0001 * AATS2d GATS1i VE3_Dzp + 0.0002 * AATS2d GATS1i ATSC1pe + 0.0001 * AATS2d GATS1i AATS2dv + 0.0001 * AATS2d GATS1i ETA_shape_p + 0.0001 * AATS2d GATS1i VE3_A + 0.0001 * AATS2d GATS1i Ssss + 0.0001 * AATS2d GATS1i fMF - 0.0000 * AATS2d GATS1i SpAD_Dzv - 0.0001 * AATS2d GATS1i n3HRing - 0.0001 * AATS2d GATS1i n3AHRing - 0.0000 * AATS2d GATS1i JGT10 + 0.0001 * AATS2d AATS0d^2 + 0.0001 * AATS2d AATS0d AATS1d + 0.0000 * AATS2d AATS0d SsssGe + 0.0000 * AATS2d AATS0d CIC1 - 0.0002 * AATS2d AATS0d AATSC2dv - 0.0000 * AATS2d AATS0d AATS0dv - 0.0000 * AATS2d AATS0d NdsN + 0.0003 * AATS2d AATS0d CIC0 - 0.0000 * AATS2d AATS0d VE3_DzZ - 0.0000 * AATS2d AATS0d AATSC1dv - 0.0000 * AATS2d AATS0d VE3_Dzm - 0.0000 * AATS2d AATS0d VE3_Dzpe - 0.0001 * AATS2d AATS0d VE3_Dzi - 0.0001 * AATS2d AATS0d VE3_D - 0.0001 * AATS2d AATS0d VE3_Dzv - 0.0003 * AATS2d AATS0d GATS1pe - 0.0002 * AATS2d AATS0d VE3_Dzp + 0.0001 * AATS2d AATS0d ATSC1pe - 0.0001 * AATS2d AATS0d AATS2dv + 0.0001 * AATS2d AATS0d ETA_shape_p - 0.0001 * AATS2d AATS0d VE3_A - 0.0001 * AATS2d AATS0d Ssss + 0.0000 * AATS2d AATS0d fMF - 0.0000 * AATS2d AATS0d SpAD_Dzv + 0.0000 * AATS2d AATS0d n3HRing + 0.0000 * AATS2d AATS0d n3AHRing - 0.0000 * AATS2d AATS0d JGT10 - 0.0001 * AATS2d AATS1d^2 + 0.0001 * AATS2d AATS1d SsssGe + 0.0001 * AATS2d AATS1d CIC1 - 0.0001 * AATS2d AATS1d AATSC2dv - 0.0001 * AATS2d AATS1d AATS0dv - 0.0001 * AATS2d AATS1d NdsN + 0.0002 * AATS2d AATS1d CIC0 + 0.0000 * AATS2d AATS1d VE3_DzZ - 0.0001 * AATS2d AATS1d AATSC1dv + 0.0001 * AATS2d AATS1d VE3_Dzm + 0.0001 * AATS2d AATS1d VE3_Dzpe + 0.0000 * AATS2d AATS1d VE3_Dzi + 0.0000 * AATS2d AATS1d VE3_D + 0.0000 * AATS2d AATS1d VE3_Dzv + 0.0000 * AATS2d AATS1d GATS1pe - 0.0001 * AATS2d AATS1d VE3_Dzp + 0.0002 * AATS2d AATS1d ATSC1pe - 0.0000 * AATS2d AATS1d AATS2dv + 0.0000 * AATS2d AATS1d ETA_shape_p - 0.0001 * AATS2d AATS1d VE3_A + 0.0000 * AATS2d AATS1d Ssss + 0.0001 * AATS2d AATS1d fMF + 0.0000 * AATS2d AATS1d SpAD_Dzv - 0.0000 * AATS2d AATS1d JGT10 - 0.0000 * AATS2d SsssGe^2 + 0.0000 * AATS2d SsssGe CIC1 - 0.0000 * AATS2d SsssGe AATSC2dv - 0.0000 * AATS2d SsssGe AATS0dv - 0.0000 * AATS2d SsssGe NdsN + 0.0001 * AATS2d SsssGe CIC0 + 0.0000 * AATS2d SsssGe VE3_DzZ + 0.0000 * AATS2d SsssGe AATSC1dv + 0.0000 * AATS2d SsssGe VE3_Dzm + 0.0000 * AATS2d SsssGe VE3_Dzpe + 0.0000 * AATS2d SsssGe VE3_Dzi + 0.0000 * AATS2d SsssGe VE3_D + 0.0000 * AATS2d SsssGe VE3_Dzv + 0.0000 * AATS2d SsssGe GATS1pe + 0.0000 * AATS2d SsssGe VE3_Dzp + 0.0000 * AATS2d SsssGe ATSC1pe - 0.0000 * AATS2d SsssGe AATS2dv + 0.0000 * AATS2d SsssGe ETA_shape_p + 0.0000 * AATS2d SsssGe VE3_A - 0.0000 * AATS2d SsssGe Ssss - 0.0000 * AATS2d SsssGe fMF + 0.0001 * AATS2d SsssGe SpAD_Dzv + 0.0000 * AATS2d SsssGe JGT10 - 0.0000 * AATS2d CIC1^2 - 0.0002 * AATS2d CIC1 AATSC2dv - 0.0001 * AATS2d CIC1 AATS0dv - 0.0001 * AATS2d CIC1 NdsN - 0.0000 * AATS2d CIC1 CIC0 + 0.0000 * AATS2d CIC1 VE3_DzZ - 0.0000 * AATS2d CIC1 AATSC1dv + 0.0001 * AATS2d CIC1 VE3_Dzm - 0.0000 * AATS2d CIC1 VE3_Dzpe - 0.0000 * AATS2d CIC1

$$\begin{aligned}
& \text{VE3_Dzi} + 0.0000 * \text{AATS2d CIC1 VE3_D} - 0.0000 * \text{AATS2d CIC1 VE3_Dzv} - 0.0000 * \text{AATS2d CIC1} \\
& \text{GATS1pe} - 0.0001 * \text{AATS2d CIC1 VE3_Dzp} + 0.0003 * \text{AATS2d CIC1 ATSC1pe} - 0.0000 * \text{AATS2d CIC1} \\
& \text{AATS2dv} - 0.0000 * \text{AATS2d CIC1 ETA_shape_p} - 0.0000 * \text{AATS2d CIC1 VE3_A} - 0.0000 * \text{AATS2d CIC1} \\
& \text{SssS} + 0.0001 * \text{AATS2d CIC1 fMF} + 0.0000 * \text{AATS2d CIC1 SpAD_Dzv} - 0.0001 * \text{AATS2d CIC1 n3HRing} - \\
& 0.0001 * \text{AATS2d CIC1 n3AHRing} - 0.0000 * \text{AATS2d CIC1 JGT10} - 0.0004 * \text{AATS2d AATSC2dv}^2 - 0.0005 * \\
& \text{AATS2d AATSC2dv AATS0dv} + 0.0000 * \text{AATS2d AATSC2dv NdsN} + 0.0000 * \text{AATS2d AATSC2dv CIC0} + \\
& 0.0002 * \text{AATS2d AATSC2dv VE3_DzZ} - 0.0001 * \text{AATS2d AATSC2dv AATSC1dv} + 0.0002 * \text{AATS2d} \\
& \text{AATSC2dv VE3_Dzm} + 0.0001 * \text{AATS2d AATSC2dv VE3_Dzpe} + 0.0001 * \text{AATS2d AATSC2dv VE3_Dzi} + \\
& 0.0001 * \text{AATS2d AATSC2dv VE3_D} + 0.0001 * \text{AATS2d AATSC2dv VE3_Dzv} + 0.0000 * \text{AATS2d} \\
& \text{AATSC2dv GATS1pe} + 0.0001 * \text{AATS2d AATSC2dv VE3_Dzp} - 0.0001 * \text{AATS2d AATSC2dv ATSC1pe} + \\
& 0.0004 * \text{AATS2d AATSC2dv AATS2dv} + 0.0001 * \text{AATS2d AATSC2dv ETA_shape_p} + 0.0001 * \text{AATS2d} \\
& \text{AATSC2dv VE3_A} + 0.0001 * \text{AATS2d AATSC2dv SssS} + 0.0001 * \text{AATS2d AATSC2dv fMF} - 0.0000 * \\
& \text{AATS2d AATSC2dv SpAD_Dzv} + 0.0001 * \text{AATS2d AATSC2dv n3HRing} + 0.0001 * \text{AATS2d AATSC2dv} \\
& \text{n3AHRing} - 0.0001 * \text{AATS2d AATSC2dv JGT10} + 0.0001 * \text{AATS2d AATS0dv}^2 + 0.0001 * \text{AATS2d} \\
& \text{AATS0dv NdsN} + 0.0001 * \text{AATS2d AATS0dv CIC0} - 0.0001 * \text{AATS2d AATS0dv VE3_DzZ} + 0.0001 * \\
& \text{AATS2d AATS0dv AATSC1dv} - 0.0000 * \text{AATS2d AATS0dv VE3_Dzm} + 0.0001 * \text{AATS2d AATS0dv} \\
& \text{VE3_Dzpe} + 0.0000 * \text{AATS2d AATS0dv VE3_Dzi} + 0.0000 * \text{AATS2d AATS0dv VE3_D} + 0.0000 * \text{AATS2d} \\
& \text{AATS0dv VE3_Dzv} + 0.0001 * \text{AATS2d AATS0dv GATS1pe} - 0.0002 * \text{AATS2d AATS0dv VE3_Dzp} - 0.0002 * \\
& \text{AATS2d AATS0dv ATSC1pe} - 0.0003 * \text{AATS2d AATS0dv AATS2dv} + 0.0003 * \text{AATS2d AATS0dv} \\
& \text{ETA_shape_p} - 0.0002 * \text{AATS2d AATS0dv VE3_A} - 0.0001 * \text{AATS2d AATS0dv SssS} - 0.0000 * \text{AATS2d} \\
& \text{AATS0dv fMF} - 0.0000 * \text{AATS2d AATS0dv SpAD_Dzv} + 0.0000 * \text{AATS2d AATS0dv n3HRing} + 0.0000 * \\
& \text{AATS2d AATS0dv n3AHRing} + 0.0002 * \text{AATS2d AATS0dv JGT10} + 0.0001 * \text{AATS2d NdsN}^2 + 0.0000 * \\
& \text{AATS2d NdsN CIC0} - 0.0000 * \text{AATS2d NdsN VE3_DzZ} - 0.0001 * \text{AATS2d NdsN AATSC1dv} - 0.0000 * \\
& \text{AATS2d NdsN VE3_Dzm} - 0.0000 * \text{AATS2d NdsN VE3_Dzpe} - 0.0000 * \text{AATS2d NdsN VE3_Dzi} - 0.0000 * \\
& \text{AATS2d NdsN VE3_D} - 0.0000 * \text{AATS2d NdsN VE3_Dzv} - 0.0001 * \text{AATS2d NdsN GATS1pe} - 0.0001 * \\
& \text{AATS2d NdsN VE3_Dzp} + 0.0002 * \text{AATS2d NdsN ATSC1pe} + 0.0000 * \text{AATS2d NdsN AATS2dv} + 0.0000 * \\
& \text{AATS2d NdsN ETA_shape_p} + 0.0001 * \text{AATS2d NdsN SssS} + 0.0000 * \text{AATS2d NdsN fMF} + 0.0000 * \\
& \text{AATS2d NdsN SpAD_Dzv} + 0.0000 * \text{AATS2d NdsN n3HRing} + 0.0000 * \text{AATS2d NdsN n3AHRing} - 0.0001 * \\
& \text{AATS2d NdsN JGT10} - 0.0001 * \text{AATS2d CIC0}^2 - 0.0001 * \text{AATS2d CIC0 VE3_DzZ} - 0.0002 * \text{AATS2d CIC0} \\
& \text{AATSC1dv} - 0.0001 * \text{AATS2d CIC0 VE3_Dzm} - 0.0001 * \text{AATS2d CIC0 VE3_Dzpe} - 0.0001 * \text{AATS2d CIC0} \\
& \text{VE3_Dzi} - 0.0001 * \text{AATS2d CIC0 VE3_D} - 0.0001 * \text{AATS2d CIC0 VE3_Dzv} - 0.0002 * \text{AATS2d CIC0} \\
& \text{VE3_Dzp} - 0.0000 * \text{AATS2d CIC0 ATSC1pe} - 0.0002 * \text{AATS2d CIC0 AATS2dv} - 0.0001 * \text{AATS2d CIC0} \\
& \text{ETA_shape_p} - 0.0002 * \text{AATS2d CIC0 VE3_A} - 0.0000 * \text{AATS2d CIC0 SssS} + 0.0001 * \text{AATS2d CIC0 fMF} - \\
& 0.0000 * \text{AATS2d CIC0 SpAD_Dzv} - 0.0001 * \text{AATS2d CIC0 n3HRing} - 0.0001 * \text{AATS2d CIC0 n3AHRing} + \\
& 0.0001 * \text{AATS2d CIC0 JGT10} - 0.0001 * \text{AATS2d VE3_DzZ}^2 - 0.0000 * \text{AATS2d VE3_DzZ AATSC1dv} - \\
& 0.0001 * \text{AATS2d VE3_DzZ VE3_Dzm} + 0.0000 * \text{AATS2d VE3_DzZ VE3_Dzpe} - 0.0000 * \text{AATS2d VE3_DzZ} \\
& \text{VE3_Dzi} - 0.0000 * \text{AATS2d VE3_DzZ VE3_D} + 0.0000 * \text{AATS2d VE3_DzZ VE3_Dzv} + 0.0002 * \text{AATS2d} \\
& \text{VE3_DzZ GATS1pe} - 0.0000 * \text{AATS2d VE3_DzZ VE3_Dzp} - 0.0000 * \text{AATS2d VE3_DzZ ATSC1pe} + 0.0001 * \\
& \text{AATS2d VE3_DzZ AATS2dv} + 0.0000 * \text{AATS2d VE3_DzZ ETA_shape_p} - 0.0001 * \text{AATS2d VE3_DzZ} \\
& \text{VE3_A} - 0.0001 * \text{AATS2d VE3_DzZ SssS} - 0.0001 * \text{AATS2d VE3_DzZ fMF} - 0.0000 * \text{AATS2d VE3_DzZ} \\
& \text{SpAD_Dzv} - 0.0001 * \text{AATS2d VE3_DzZ n3HRing} - 0.0001 * \text{AATS2d VE3_DzZ n3AHRing} + 0.0000 * \text{AATS2d} \\
& \text{VE3_DzZ JGT10} - 0.0000 * \text{AATS2d AATSC1dv}^2 - 0.0000 * \text{AATS2d AATSC1dv VE3_Dzm} - 0.0000 * \\
& \text{AATS2d AATSC1dv VE3_Dzpe} - 0.0000 * \text{AATS2d AATSC1dv VE3_Dzi} + 0.0001 * \text{AATS2d AATSC1dv} \\
& \text{VE3_Dzv} + 0.0001 * \text{AATS2d AATSC1dv GATS1pe} + 0.0000 * \text{AATS2d AATSC1dv VE3_Dzp} - 0.0002 * \\
& \text{AATS2d AATSC1dv ATSC1pe} + 0.0001 * \text{AATS2d AATSC1dv AATS2dv} - 0.0001 * \text{AATS2d AATSC1dv} \\
& \text{ETA_shape_p} - 0.0001 * \text{AATS2d AATSC1dv VE3_A} - 0.0004 * \text{AATS2d AATSC1dv SssS} + 0.0000 * \text{AATS2d} \\
& \text{AATSC1dv fMF} + 0.0000 * \text{AATS2d AATSC1dv SpAD_Dzv} + 0.0000 * \text{AATS2d AATSC1dv n3HRing} + 0.0000 \\
& * \text{AATS2d AATSC1dv n3AHRing} - 0.0001 * \text{AATS2d AATSC1dv JGT10} - 0.0001 * \text{AATS2d VE3_Dzm}^2 + \\
& 0.0000 * \text{AATS2d VE3_Dzm VE3_Dzpe} - 0.0000 * \text{AATS2d VE3_Dzm VE3_Dzi} - 0.0000 * \text{AATS2d VE3_Dzm} \\
& \text{VE3_D} + 0.0000 * \text{AATS2d VE3_Dzm VE3_Dzv} + 0.0002 * \text{AATS2d VE3_Dzm GATS1pe} - 0.0000 * \text{AATS2d} \\
& \text{VE3_Dzm VE3_Dzp} - 0.0001 * \text{AATS2d VE3_Dzm ATSC1pe} + 0.0001 * \text{AATS2d VE3_Dzm AATS2dv} + 0.0001 \\
& * \text{AATS2d VE3_Dzm ETA_shape_p} - 0.0001 * \text{AATS2d VE3_Dzm VE3_A} - 0.0001 * \text{AATS2d VE3_Dzm SssS} - \\
& 0.0001 * \text{AATS2d VE3_Dzm fMF} - 0.0000 * \text{AATS2d VE3_Dzm SpAD_Dzv} - 0.0001 * \text{AATS2d VE3_Dzm} \\
& \text{n3HRing} - 0.0001 * \text{AATS2d VE3_Dzm n3AHRing} + 0.0000 * \text{AATS2d VE3_Dzm JGT10} + 0.0001 * \text{AATS2d} \\
& \text{VE3_Dzpe}^2 + 0.0001 * \text{AATS2d VE3_Dzpe VE3_Dzi} + 0.0001 * \text{AATS2d VE3_Dzpe VE3_D} + 0.0001 * \\
& \text{AATS2d VE3_Dzpe VE3_Dzv} + 0.0001 * \text{AATS2d VE3_Dzpe GATS1pe} + 0.0000 * \text{AATS2d VE3_Dzpe} \\
& \text{VE3_Dzp} + 0.0000 * \text{AATS2d VE3_Dzpe ATSC1pe} + 0.0002 * \text{AATS2d VE3_Dzpe AATS2dv} + 0.0000 * \\
& \text{AATS2d VE3_Dzpe ETA_shape_p} + 0.0000 * \text{AATS2d VE3_Dzpe VE3_A} - 0.0001 * \text{AATS2d VE3_Dzpe SssS} - \\
& 0.0000 * \text{AATS2d VE3_Dzpe fMF} + 0.0002 * \text{AATS2d VE3_Dzpe SpAD_Dzv} - 0.0000 * \text{AATS2d VE3_Dzpe} \\
& \text{n3HRing} - 0.0000 * \text{AATS2d VE3_Dzpe n3AHRing} + 0.0000 * \text{AATS2d VE3_Dzpe JGT10} + 0.0000 * \text{AATS2d} \\
& \text{VE3_Dzi}^2 + 0.0000 * \text{AATS2d VE3_Dzi VE3_D} + 0.0001 * \text{AATS2d VE3_Dzi VE3_Dzv} + 0.0001 * \text{AATS2d} \\
& \text{VE3_Dzi GATS1pe} + 0.0000 * \text{AATS2d VE3_Dzi VE3_Dzp} + 0.0000 * \text{AATS2d VE3_Dzi ATSC1pe} + 0.0001 *
\end{aligned}$$

AATS2d VE3_Dzi AATS2dv + 0.0000 * AATS2d VE3_Dzi ETA_shape_p - 0.0000 * AATS2d VE3_Dzi VE3_A -
0.0001 * AATS2d VE3_Dzi SssS - 0.0001 * AATS2d VE3_Dzi fMF - 0.0003 * AATS2d VE3_Dzi SpAD_Dzv -
0.0000 * AATS2d VE3_Dzi n3HRing - 0.0000 * AATS2d VE3_Dzi n3AHRing - 0.0000 * AATS2d VE3_Dzi
JGT10 + 0.0000 * AATS2d VE3_D^2 + 0.0000 * AATS2d VE3_D VE3_Dzv + 0.0001 * AATS2d VE3_D
GATS1pe + 0.0000 * AATS2d VE3_D VE3_Dzp + 0.0000 * AATS2d VE3_D ATSC1pe + 0.0001 * AATS2d
VE3_D AATS2dv + 0.0000 * AATS2d VE3_D ETA_shape_p - 0.0000 * AATS2d VE3_D VE3_A - 0.0001 *
AATS2d VE3_D SssS - 0.0000 * AATS2d VE3_D fMF - 0.0001 * AATS2d VE3_D SpAD_Dzv - 0.0000 *
AATS2d VE3_D n3HRing - 0.0000 * AATS2d VE3_D n3AHRing - 0.0000 * AATS2d VE3_D JGT10 + 0.0001 *
AATS2d VE3_Dzv^2 + 0.0001 * AATS2d VE3_Dzv GATS1pe + 0.0000 * AATS2d VE3_Dzv VE3_Dzp + 0.0000
* AATS2d VE3_Dzv ATSC1pe + 0.0001 * AATS2d VE3_Dzv AATS2dv + 0.0000 * AATS2d VE3_Dzv
ETA_shape_p - 0.0000 * AATS2d VE3_Dzv VE3_A - 0.0001 * AATS2d VE3_Dzv SssS - 0.0001 * AATS2d
VE3_Dzv fMF + 0.0002 * AATS2d VE3_Dzv SpAD_Dzv - 0.0000 * AATS2d VE3_Dzv n3HRing - 0.0000 *
AATS2d VE3_Dzv n3AHRing - 0.0000 * AATS2d VE3_Dzv JGT10 + 0.0001 * AATS2d GATS1pe VE3_Dzp +
0.0002 * AATS2d GATS1pe ATSC1pe - 0.0001 * AATS2d GATS1pe AATS2dv + 0.0001 * AATS2d GATS1pe
ETA_shape_p + 0.0000 * AATS2d GATS1pe VE3_A + 0.0001 * AATS2d GATS1pe SssS - 0.0002 * AATS2d
GATS1pe fMF - 0.0000 * AATS2d GATS1pe SpAD_Dzv + 0.0001 * AATS2d GATS1pe n3HRing + 0.0001 *
AATS2d GATS1pe n3AHRing - 0.0001 * AATS2d GATS1pe JGT10 - 0.0000 * AATS2d VE3_Dzp^2 - 0.0000 *
AATS2d VE3_Dzp ATSC1pe - 0.0000 * AATS2d VE3_Dzp AATS2dv + 0.0000 * AATS2d VE3_Dzp
ETA_shape_p - 0.0000 * AATS2d VE3_Dzp VE3_A - 0.0001 * AATS2d VE3_Dzp SssS - 0.0001 * AATS2d
VE3_Dzp fMF + 0.0001 * AATS2d VE3_Dzp SpAD_Dzv - 0.0000 * AATS2d VE3_Dzp n3HRing - 0.0000 *
AATS2d VE3_Dzp n3AHRing - 0.0000 * AATS2d VE3_Dzp JGT10 - 0.0003 * AATS2d ATSC1pe^2 - 0.0000 *
AATS2d ATSC1pe AATS2dv - 0.0001 * AATS2d ATSC1pe ETA_shape_p + 0.0000 * AATS2d ATSC1pe VE3_A
- 0.0000 * AATS2d ATSC1pe SssS - 0.0001 * AATS2d ATSC1pe fMF - 0.0000 * AATS2d ATSC1pe SpAD_Dzv -
0.0000 * AATS2d ATSC1pe n3HRing - 0.0000 * AATS2d ATSC1pe n3AHRing + 0.0001 * AATS2d ATSC1pe
JGT10 + 0.0001 * AATS2d AATS2dv^2 + 0.0001 * AATS2d AATS2dv ETA_shape_p - 0.0001 * AATS2d
AATS2dv VE3_A + 0.0002 * AATS2d AATS2dv SssS - 0.0001 * AATS2d AATS2dv fMF + 0.0000 * AATS2d
AATS2dv SpAD_Dzv + 0.0001 * AATS2d AATS2dv n3HRing + 0.0001 * AATS2d AATS2dv n3AHRing - 0.0003
* AATS2d AATS2dv JGT10 - 0.0002 * AATS2d ETA_shape_p^2 - 0.0000 * AATS2d ETA_shape_p VE3_A +
0.0001 * AATS2d ETA_shape_p SssS - 0.0001 * AATS2d ETA_shape_p fMF - 0.0000 * AATS2d ETA_shape_p
SpAD_Dzv - 0.0000 * AATS2d ETA_shape_p n3HRing - 0.0000 * AATS2d ETA_shape_p n3AHRing + 0.0000 *
AATS2d ETA_shape_p JGT10 - 0.0001 * AATS2d VE3_A^2 - 0.0001 * AATS2d VE3_A SssS - 0.0000 *
AATS2d VE3_A fMF - 0.0000 * AATS2d VE3_A SpAD_Dzv - 0.0000 * AATS2d VE3_A n3HRing - 0.0000 *
AATS2d VE3_A n3AHRing - 0.0000 * AATS2d VE3_A JGT10 + 0.0002 * AATS2d SssS^2 + 0.0000 * AATS2d
SssS fMF + 0.0000 * AATS2d SssS n3HRing + 0.0000 * AATS2d SssS n3AHRing + 0.0000 * AATS2d SssS
JGT10 + 0.0000 * AATS2d fMF^2 - 0.0000 * AATS2d fMF SpAD_Dzv + 0.0001 * AATS2d fMF n3HRing +
0.0001 * AATS2d fMF n3AHRing + 0.0000 * AATS2d fMF JGT10 - 0.0000 * AATS2d SpAD_Dzv n3HRing -
0.0000 * AATS2d SpAD_Dzv n3AHRing + 0.0001 * AATS2d SpAD_Dzv JGT10 + 0.0000 * AATS2d n3HRing^2
+ 0.0000 * AATS2d n3HRing n3AHRing + 0.0000 * AATS2d n3HRing JGT10 + 0.0000 * AATS2d n3AHRing^2
+ 0.0000 * AATS2d n3AHRing JGT10 - 0.0001 * AATS2d JGT10^2 - 0.0009 * GATS1p^3 - 0.0001 * GATS1p^2
GATS1i - 0.0004 * GATS1p^2 AATS0d + 0.0001 * GATS1p^2 AATS1d - 0.0000 * GATS1p^2 SssssGe - 0.0003 *
GATS1p^2 CIC1 + 0.0004 * GATS1p^2 AATSC2dv - 0.0003 * GATS1p^2 AATS0dv - 0.0000 * GATS1p^2 NdsN
- 0.0003 * GATS1p^2 CIC0 - 0.0000 * GATS1p^2 VE3_DzZ + 0.0001 * GATS1p^2 AATSC1dv - 0.0000 *
GATS1p^2 VE3_Dzm - 0.0001 * GATS1p^2 VE3_Dzpe - 0.0001 * GATS1p^2 VE3_Dzi - 0.0000 * GATS1p^2
VE3_D - 0.0000 * GATS1p^2 VE3_Dzv - 0.0001 * GATS1p^2 GATS1pe - 0.0000 * GATS1p^2 VE3_Dzp -
0.0001 * GATS1p^2 ATSC1pe + 0.0004 * GATS1p^2 AATS2dv + 0.0001 * GATS1p^2 ETA_shape_p - 0.0000 *
GATS1p^2 VE3_A - 0.0002 * GATS1p^2 SssS + 0.0001 * GATS1p^2 fMF + 0.0000 * GATS1p^2 SpAD_Dzv +
0.0001 * GATS1p^2 n3HRing + 0.0001 * GATS1p^2 n3AHRing - 0.0003 * GATS1p^2 JGT10 - 0.0000 * GATS1p
GATS1i^2 - 0.0001 * GATS1p GATS1i AATS0d + 0.0004 * GATS1p GATS1i AATS1d - 0.0000 * GATS1p
GATS1i SssssGe + 0.0005 * GATS1p GATS1i CIC1 - 0.0002 * GATS1p GATS1i AATSC2dv + 0.0001 * GATS1p
GATS1i AATS0dv - 0.0001 * GATS1p GATS1i NdsN + 0.0008 * GATS1p GATS1i CIC0 + 0.0001 * GATS1p
GATS1i VE3_DzZ + 0.0000 * GATS1p GATS1i AATSC1dv + 0.0001 * GATS1p GATS1i VE3_Dzm + 0.0001 *
GATS1p GATS1i VE3_Dzpe + 0.0001 * GATS1p GATS1i VE3_Dzi + 0.0001 * GATS1p GATS1i VE3_D +
0.0001 * GATS1p GATS1i VE3_Dzv - 0.0001 * GATS1p GATS1i GATS1pe + 0.0001 * GATS1p GATS1i
VE3_Dzp - 0.0001 * GATS1p GATS1i ATSC1pe - 0.0006 * GATS1p GATS1i AATS2dv + 0.0001 * GATS1p
GATS1i ETA_shape_p + 0.0001 * GATS1p GATS1i VE3_A - 0.0002 * GATS1p GATS1i SssS + 0.0001 *
GATS1p GATS1i fMF + 0.0000 * GATS1p GATS1i SpAD_Dzv - 0.0001 * GATS1p GATS1i n3HRing - 0.0001 *
GATS1p GATS1i n3AHRing - 0.0003 * GATS1p GATS1i JGT10 - 0.0004 * GATS1p AATS0d^2 - 0.0002 *
GATS1p AATS0d AATS1d + 0.0000 * GATS1p AATS0d SssssGe - 0.0002 * GATS1p AATS0d CIC1 - 0.0001 *
GATS1p AATS0d AATSC2dv + 0.0001 * GATS1p AATS0d AATS0dv + 0.0000 * GATS1p AATS0d NdsN +
0.0001 * GATS1p AATS0d CIC0 - 0.0000 * GATS1p AATS0d VE3_DzZ + 0.0001 * GATS1p AATS0d
AATSC1dv - 0.0000 * GATS1p AATS0d VE3_Dzm - 0.0001 * GATS1p AATS0d VE3_Dzpe - 0.0001 * GATS1p
AATS0d VE3_Dzi - 0.0001 * GATS1p AATS0d VE3_D - 0.0001 * GATS1p AATS0d VE3_Dzv - 0.0002 *

GATS1p AATS0d GATS1pe - 0.0001 * GATS1p AATS0d VE3_Dzp + 0.0001 * GATS1p AATS0d ATSC1pe -
 0.0001 * GATS1p AATS0d AATS2dv + 0.0001 * GATS1p AATS0d ETA_shape_p - 0.0001 * GATS1p AATS0d
 VE3_A + 0.0001 * GATS1p AATS0d SssS + 0.0001 * GATS1p AATS0d fMF - 0.0000 * GATS1p AATS0d
 SpAD_Dzv + 0.0001 * GATS1p AATS0d n3HRing + 0.0001 * GATS1p AATS0d n3AHRing - 0.0001 * GATS1p
 AATS0d JGT10 - 0.0000 * GATS1p AATS1d^2 + 0.0000 * GATS1p AATS1d SssssGe + 0.0002 * GATS1p
 AATS1d CIC1 + 0.0001 * GATS1p AATS1d AATSC2dv + 0.0005 * GATS1p AATS1d AATS0dv + 0.0000 *
 GATS1p AATS1d NdsN + 0.0004 * GATS1p AATS1d CIC0 - 0.0001 * GATS1p AATS1d VE3_DzZ + 0.0002 *
 GATS1p AATS1d AATSC1dv - 0.0000 * GATS1p AATS1d VE3_Dzm - 0.0001 * GATS1p AATS1d VE3_Dzpe -
 0.0001 * GATS1p AATS1d VE3_Dzi - 0.0001 * GATS1p AATS1d VE3_D - 0.0001 * GATS1p AATS1d
 VE3_Dzv + 0.0002 * GATS1p AATS1d GATS1pe - 0.0001 * GATS1p AATS1d VE3_Dzp + 0.0001 * GATS1p
 AATS1d ATSC1pe - 0.0000 * GATS1p AATS1d AATS2dv + 0.0002 * GATS1p AATS1d ETA_shape_p - 0.0001
 * GATS1p AATS1d VE3_A + 0.0003 * GATS1p AATS1d SssS + 0.0001 * GATS1p AATS1d fMF - 0.0001 *
 GATS1p AATS1d SpAD_Dzv + 0.0001 * GATS1p AATS1d n3HRing + 0.0001 * GATS1p AATS1d n3AHRing +
 0.0001 * GATS1p AATS1d JGT10 - 0.0000 * GATS1p SssssGe^2 - 0.0000 * GATS1p SssssGe CIC1 - 0.0000 *
 GATS1p SssssGe AATSC2dv - 0.0000 * GATS1p SssssGe AATS0dv - 0.0000 * GATS1p SssssGe NdsN + 0.0000
 * GATS1p SssssGe CIC0 + 0.0000 * GATS1p SssssGe VE3_DzZ + 0.0000 * GATS1p SssssGe AATSC1dv +
 0.0000 * GATS1p SssssGe VE3_Dzm + 0.0000 * GATS1p SssssGe VE3_Dzpe + 0.0000 * GATS1p SssssGe
 VE3_Dzi + 0.0000 * GATS1p SssssGe VE3_D + 0.0000 * GATS1p SssssGe VE3_Dzv - 0.0000 * GATS1p
 SssssGe GATS1pe + 0.0000 * GATS1p SssssGe VE3_Dzp + 0.0000 * GATS1p SssssGe ATSC1pe - 0.0000 *
 GATS1p SssssGe AATS2dv + 0.0000 * GATS1p SssssGe ETA_shape_p + 0.0000 * GATS1p SssssGe VE3_A -
 0.0000 * GATS1p SssssGe SssS - 0.0000 * GATS1p SssssGe fMF + 0.0000 * GATS1p SssssGe SpAD_Dzv +
 0.0000 * GATS1p SssssGe JGT10 - 0.0002 * GATS1p CIC1^2 - 0.0002 * GATS1p CIC1 AATSC2dv - 0.0000 *
 GATS1p CIC1 AATS0dv - 0.0000 * GATS1p CIC1 NdsN + 0.0002 * GATS1p CIC1 CIC0 + 0.0000 * GATS1p
 CIC1 VE3_DzZ + 0.0001 * GATS1p CIC1 AATSC1dv + 0.0000 * GATS1p CIC1 VE3_Dzm - 0.0000 * GATS1p
 CIC1 VE3_Dzpe - 0.0000 * GATS1p CIC1 VE3_Dzi - 0.0000 * GATS1p CIC1 VE3_D - 0.0000 * GATS1p CIC1
 VE3_Dzv + 0.0001 * GATS1p CIC1 GATS1pe - 0.0000 * GATS1p CIC1 VE3_Dzp + 0.0000 * GATS1p CIC1
 ATSC1pe - 0.0000 * GATS1p CIC1 AATS2dv + 0.0001 * GATS1p CIC1 ETA_shape_p + 0.0000 * GATS1p CIC1
 VE3_A + 0.0000 * GATS1p CIC1 SssS + 0.0001 * GATS1p CIC1 fMF - 0.0000 * GATS1p CIC1 SpAD_Dzv +
 0.0000 * GATS1p CIC1 n3HRing + 0.0000 * GATS1p CIC1 n3AHRing - 0.0001 * GATS1p CIC1 JGT10 - 0.0002
 * GATS1p AATSC2dv^2 + 0.0002 * GATS1p AATSC2dv AATS0dv - 0.0001 * GATS1p AATSC2dv NdsN +
 0.0004 * GATS1p AATSC2dv CIC0 - 0.0000 * GATS1p AATSC2dv VE3_DzZ - 0.0001 * GATS1p AATSC2dv
 AATSC1dv - 0.0000 * GATS1p AATSC2dv VE3_Dzm - 0.0000 * GATS1p AATSC2dv VE3_Dzpe - 0.0000 *
 GATS1p AATSC2dv VE3_Dzi - 0.0001 * GATS1p AATSC2dv VE3_D - 0.0001 * GATS1p AATSC2dv VE3_Dzv
 - 0.0002 * GATS1p AATSC2dv GATS1pe - 0.0001 * GATS1p AATSC2dv VE3_Dzp - 0.0001 * GATS1p
 AATSC2dv ATSC1pe + 0.0000 * GATS1p AATSC2dv AATS2dv + 0.0001 * GATS1p AATSC2dv ETA_shape_p
 - 0.0001 * GATS1p AATSC2dv VE3_A - 0.0002 * GATS1p AATSC2dv SssS - 0.0001 * GATS1p AATSC2dv
 fMF + 0.0000 * GATS1p AATSC2dv SpAD_Dzv + 0.0001 * GATS1p AATSC2dv n3HRing + 0.0001 * GATS1p
 AATSC2dv n3AHRing - 0.0001 * GATS1p AATSC2dv JGT10 - 0.0001 * GATS1p AATS0dv^2 - 0.0000 *
 GATS1p AATS0dv NdsN - 0.0001 * GATS1p AATS0dv CIC0 - 0.0000 * GATS1p AATS0dv VE3_DzZ + 0.0001
 * GATS1p AATS0dv AATSC1dv - 0.0000 * GATS1p AATS0dv VE3_Dzm - 0.0001 * GATS1p AATS0dv
 VE3_Dzpe - 0.0001 * GATS1p AATS0dv VE3_Dzi - 0.0000 * GATS1p AATS0dv VE3_D - 0.0000 * GATS1p
 AATS0dv VE3_Dzv + 0.0003 * GATS1p AATS0dv GATS1pe - 0.0001 * GATS1p AATS0dv VE3_Dzp + 0.0001
 * GATS1p AATS0dv ATSC1pe + 0.0001 * GATS1p AATS0dv AATS2dv + 0.0004 * GATS1p AATS0dv
 ETA_shape_p - 0.0001 * GATS1p AATS0dv VE3_A - 0.0004 * GATS1p AATS0dv SssS + 0.0003 * GATS1p
 AATS0dv fMF + 0.0000 * GATS1p AATS0dv SpAD_Dzv + 0.0001 * GATS1p AATS0dv n3HRing + 0.0001 *
 GATS1p AATS0dv n3AHRing + 0.0000 * GATS1p AATS0dv JGT10 - 0.0001 * GATS1p NdsN^2 + 0.0000 *
 GATS1p NdsN CIC0 + 0.0000 * GATS1p NdsN VE3_DzZ + 0.0001 * GATS1p NdsN AATSC1dv + 0.0000 *
 GATS1p NdsN VE3_Dzm + 0.0000 * GATS1p NdsN VE3_Dzpe + 0.0000 * GATS1p NdsN VE3_Dzi + 0.0000 *
 GATS1p NdsN VE3_D + 0.0000 * GATS1p NdsN VE3_Dzv - 0.0002 * GATS1p NdsN GATS1pe + 0.0000 *
 GATS1p NdsN VE3_Dzp + 0.0002 * GATS1p NdsN ATSC1pe + 0.0001 * GATS1p NdsN AATS2dv + 0.0001 *
 GATS1p NdsN ETA_shape_p - 0.0000 * GATS1p NdsN VE3_A + 0.0000 * GATS1p NdsN SssS - 0.0000 *
 GATS1p NdsN fMF - 0.0000 * GATS1p NdsN SpAD_Dzv + 0.0000 * GATS1p NdsN n3HRing + 0.0000 *
 GATS1p NdsN n3AHRing - 0.0000 * GATS1p NdsN JGT10 + 0.0003 * GATS1p CIC0^2 - 0.0002 * GATS1p
 CIC0 VE3_DzZ - 0.0001 * GATS1p CIC0 AATSC1dv - 0.0002 * GATS1p CIC0 VE3_Dzm - 0.0003 * GATS1p
 CIC0 VE3_Dzpe - 0.0003 * GATS1p CIC0 VE3_Dzi - 0.0003 * GATS1p CIC0 VE3_D - 0.0003 * GATS1p CIC0
 VE3_Dzv + 0.0003 * GATS1p CIC0 GATS1pe - 0.0003 * GATS1p CIC0 VE3_Dzp - 0.0002 * GATS1p CIC0
 ATSC1pe - 0.0003 * GATS1p CIC0 AATS2dv + 0.0004 * GATS1p CIC0 ETA_shape_p - 0.0002 * GATS1p CIC0
 VE3_A + 0.0002 * GATS1p CIC0 SssS + 0.0000 * GATS1p CIC0 SpAD_Dzv + 0.0001 * GATS1p CIC0 n3HRing
 + 0.0001 * GATS1p CIC0 n3AHRing + 0.0000 * GATS1p CIC0 JGT10 + 0.0001 * GATS1p VE3_DzZ^2 - 0.0001
 * GATS1p VE3_DzZ AATSC1dv + 0.0001 * GATS1p VE3_DzZ VE3_Dzm + 0.0001 * GATS1p VE3_DzZ
 VE3_Dzpe + 0.0001 * GATS1p VE3_DzZ VE3_Dzi + 0.0001 * GATS1p VE3_DzZ VE3_D + 0.0001 * GATS1p
 VE3_DzZ VE3_Dzv - 0.0001 * GATS1p VE3_DzZ GATS1pe + 0.0001 * GATS1p VE3_DzZ VE3_Dzp - 0.0000 *

GATS1p VE3_DzZ ATSC1pe + 0.0001 * GATS1p VE3_DzZ AATS2dv - 0.0001 * GATS1p VE3_DzZ
 ETA_shape_p + 0.0001 * GATS1p VE3_DzZ VE3_A - 0.0000 * GATS1p VE3_DzZ SssS - 0.0001 * GATS1p
 VE3_DzZ fMF + 0.0000 * GATS1p VE3_DzZ SpAD_Dzv + 0.0000 * GATS1p VE3_DzZ n3HRing + 0.0000 *
 GATS1p VE3_DzZ n3AHRing + 0.0001 * GATS1p VE3_DzZ JGT10 + 0.0003 * GATS1p AATSC1dv^2 - 0.0001
 * GATS1p AATSC1dv VE3_Dzm - 0.0000 * GATS1p AATSC1dv VE3_Dzpe - 0.0001 * GATS1p AATSC1dv
 VE3_Dzi - 0.0000 * GATS1p AATSC1dv VE3_D - 0.0000 * GATS1p AATSC1dv VE3_Dzv - 0.0001 * GATS1p
 AATSC1dv GATS1pe - 0.0000 * GATS1p AATSC1dv VE3_Dzp - 0.0003 * GATS1p AATSC1dv ATSC1pe -
 0.0001 * GATS1p AATSC1dv AATS2dv + 0.0000 * GATS1p AATSC1dv ETA_shape_p - 0.0001 * GATS1p
 AATSC1dv VE3_A + 0.0001 * GATS1p AATSC1dv SssS - 0.0002 * GATS1p AATSC1dv fMF - 0.0000 *
 GATS1p AATSC1dv SpAD_Dzv + 0.0001 * GATS1p AATSC1dv n3HRing + 0.0001 * GATS1p AATSC1dv
 n3AHRing + 0.0001 * GATS1p AATSC1dv JGT10 + 0.0001 * GATS1p VE3_Dzm^2 + 0.0001 * GATS1p
 VE3_Dzm VE3_Dzpe + 0.0001 * GATS1p VE3_Dzm VE3_Dzi + 0.0001 * GATS1p VE3_Dzm VE3_D + 0.0001 *
 GATS1p VE3_Dzm VE3_Dzv - 0.0001 * GATS1p VE3_Dzm GATS1pe + 0.0001 * GATS1p VE3_Dzm VE3_Dzp
 - 0.0000 * GATS1p VE3_Dzm ATSC1pe + 0.0001 * GATS1p VE3_Dzm AATS2dv - 0.0001 * GATS1p VE3_Dzm
 ETA_shape_p + 0.0001 * GATS1p VE3_Dzm VE3_A - 0.0000 * GATS1p VE3_Dzm SssS - 0.0001 * GATS1p
 VE3_Dzm fMF + 0.0001 * GATS1p VE3_Dzm SpAD_Dzv + 0.0000 * GATS1p VE3_Dzm n3HRing + 0.0000 *
 GATS1p VE3_Dzm n3AHRing + 0.0001 * GATS1p VE3_Dzm JGT10 + 0.0001 * GATS1p VE3_Dzpe^2 + 0.0001
 * GATS1p VE3_Dzpe VE3_Dzi + 0.0001 * GATS1p VE3_Dzpe VE3_D + 0.0001 * GATS1p VE3_Dzpe
 VE3_Dzv - 0.0001 * GATS1p VE3_Dzpe GATS1pe + 0.0001 * GATS1p VE3_Dzpe VE3_Dzp + 0.0000 *
 GATS1p VE3_Dzpe ATSC1pe + 0.0001 * GATS1p VE3_Dzpe AATS2dv - 0.0001 * GATS1p VE3_Dzpe
 ETA_shape_p + 0.0001 * GATS1p VE3_Dzpe VE3_A - 0.0000 * GATS1p VE3_Dzpe SssS - 0.0001 * GATS1p
 VE3_Dzpe fMF - 0.0001 * GATS1p VE3_Dzpe SpAD_Dzv + 0.0000 * GATS1p VE3_Dzpe n3HRing + 0.0000 *
 GATS1p VE3_Dzpe n3AHRing + 0.0001 * GATS1p VE3_Dzpe JGT10 + 0.0001 * GATS1p VE3_Dzi^2 + 0.0001
 * GATS1p VE3_Dzi VE3_D + 0.0001 * GATS1p VE3_Dzi VE3_Dzv - 0.0002 * GATS1p VE3_Dzi GATS1pe +
 0.0001 * GATS1p VE3_Dzi VE3_Dzp + 0.0000 * GATS1p VE3_Dzi ATSC1pe + 0.0001 * GATS1p VE3_Dzi
 AATS2dv - 0.0001 * GATS1p VE3_Dzi ETA_shape_p + 0.0001 * GATS1p VE3_Dzi VE3_A - 0.0000 * GATS1p
 VE3_Dzi SssS - 0.0001 * GATS1p VE3_Dzi fMF - 0.0004 * GATS1p VE3_Dzi SpAD_Dzv + 0.0000 * GATS1p
 VE3_Dzi n3HRing + 0.0000 * GATS1p VE3_Dzi n3AHRing + 0.0001 * GATS1p VE3_Dzi JGT10 + 0.0001 *
 GATS1p VE3_D^2 + 0.0001 * GATS1p VE3_D VE3_Dzv - 0.0001 * GATS1p VE3_D GATS1pe + 0.0001 *
 GATS1p VE3_D VE3_Dzp + 0.0000 * GATS1p VE3_D ATSC1pe + 0.0001 * GATS1p VE3_D AATS2dv -
 0.0001 * GATS1p VE3_D ETA_shape_p + 0.0001 * GATS1p VE3_D VE3_A - 0.0000 * GATS1p VE3_D SssS -
 0.0001 * GATS1p VE3_D fMF + 0.0001 * GATS1p VE3_D SpAD_Dzv + 0.0000 * GATS1p VE3_D n3HRing +
 0.0000 * GATS1p VE3_D n3AHRing + 0.0001 * GATS1p VE3_D JGT10 + 0.0001 * GATS1p VE3_Dzv^2 -
 0.0001 * GATS1p VE3_Dzv GATS1pe + 0.0001 * GATS1p VE3_Dzv VE3_Dzp + 0.0000 * GATS1p VE3_Dzv
 ATSC1pe + 0.0001 * GATS1p VE3_Dzv AATS2dv - 0.0001 * GATS1p VE3_Dzv ETA_shape_p + 0.0001 *
 GATS1p VE3_Dzv VE3_A - 0.0000 * GATS1p VE3_Dzv SssS - 0.0001 * GATS1p VE3_Dzv fMF + 0.0001 *
 GATS1p VE3_Dzv SpAD_Dzv + 0.0000 * GATS1p VE3_Dzv n3HRing + 0.0000 * GATS1p VE3_Dzv n3AHRing
 + 0.0001 * GATS1p VE3_Dzv JGT10 + 0.0002 * GATS1p GATS1pe^2 - 0.0001 * GATS1p GATS1pe VE3_Dzp -
 0.0001 * GATS1p GATS1pe ATSC1pe - 0.0004 * GATS1p GATS1pe AATS2dv + 0.0003 * GATS1p GATS1pe
 ETA_shape_p - 0.0001 * GATS1p GATS1pe VE3_A + 0.0002 * GATS1p GATS1pe SssS - 0.0001 * GATS1p
 GATS1pe fMF + 0.0000 * GATS1p GATS1pe SpAD_Dzv + 0.0000 * GATS1p GATS1pe n3HRing + 0.0000 *
 GATS1p GATS1pe n3AHRing - 0.0002 * GATS1p GATS1pe JGT10 + 0.0001 * GATS1p VE3_Dzp^2 + 0.0000 *
 GATS1p VE3_Dzp ATSC1pe + 0.0000 * GATS1p VE3_Dzp AATS2dv - 0.0001 * GATS1p VE3_Dzp
 ETA_shape_p + 0.0001 * GATS1p VE3_Dzp VE3_A - 0.0000 * GATS1p VE3_Dzp SssS - 0.0001 * GATS1p
 VE3_Dzp fMF + 0.0002 * GATS1p VE3_Dzp SpAD_Dzv + 0.0000 * GATS1p VE3_Dzp n3HRing + 0.0000 *
 GATS1p VE3_Dzp n3AHRing + 0.0001 * GATS1p VE3_Dzp JGT10 - 0.0000 * GATS1p ATSC1pe^2 - 0.0000 *
 GATS1p ATSC1pe AATS2dv - 0.0001 * GATS1p ATSC1pe ETA_shape_p - 0.0000 * GATS1p ATSC1pe VE3_A
 - 0.0002 * GATS1p ATSC1pe SssS - 0.0001 * GATS1p ATSC1pe fMF + 0.0000 * GATS1p ATSC1pe SpAD_Dzv
 - 0.0000 * GATS1p ATSC1pe n3HRing - 0.0000 * GATS1p ATSC1pe n3AHRing + 0.0001 * GATS1p ATSC1pe
 JGT10 + 0.0000 * GATS1p AATS2dv^2 + 0.0001 * GATS1p AATS2dv ETA_shape_p + 0.0000 * GATS1p
 AATS2dv VE3_A - 0.0000 * GATS1p AATS2dv SssS - 0.0001 * GATS1p AATS2dv fMF - 0.0000 * GATS1p
 AATS2dv SpAD_Dzv + 0.0001 * GATS1p AATS2dv n3HRing + 0.0001 * GATS1p AATS2dv n3AHRing - 0.0001
 * GATS1p AATS2dv JGT10 + 0.0001 * GATS1p ETA_shape_p^2 - 0.0001 * GATS1p ETA_shape_p VE3_A -
 0.0001 * GATS1p ETA_shape_p SssS + 0.0000 * GATS1p ETA_shape_p fMF + 0.0000 * GATS1p ETA_shape_p
 SpAD_Dzv + 0.0000 * GATS1p ETA_shape_p n3HRing + 0.0000 * GATS1p ETA_shape_p n3AHRing - 0.0001 *
 GATS1p ETA_shape_p JGT10 + 0.0001 * GATS1p VE3_A^2 - 0.0000 * GATS1p VE3_A SssS - 0.0001 *
 GATS1p VE3_A fMF + 0.0000 * GATS1p VE3_A SpAD_Dzv + 0.0000 * GATS1p VE3_A n3HRing + 0.0000 *
 GATS1p VE3_A n3AHRing + 0.0001 * GATS1p VE3_A JGT10 - 0.0001 * GATS1p SssS^2 + 0.0002 * GATS1p
 SssS fMF - 0.0000 * GATS1p SssS SpAD_Dzv + 0.0000 * GATS1p SssS n3HRing + 0.0000 * GATS1p SssS
 n3AHRing - 0.0001 * GATS1p SssS JGT10 - 0.0000 * GATS1p fMF^2 + 0.0001 * GATS1p fMF SpAD_Dzv -
 0.0000 * GATS1p fMF n3HRing - 0.0000 * GATS1p fMF n3AHRing + 0.0001 * GATS1p fMF JGT10 - 0.0000 *
 GATS1p SpAD_Dzv JGT10 - 0.0000 * GATS1p n3HRing^2 - 0.0000 * GATS1p n3HRing n3AHRing + 0.0000 *

GATSlp n3HRing JGT10 - 0.0000 * GATSlp n3AHRing^2 + 0.0000 * GATSlp n3AHRing JGT10 - 0.0000 *
 GATSlp JGT10^2 - 0.0006 * GATSlp^3 - 0.0001 * GATSlp^2 AATS0d + 0.0002 * GATSlp^2 AATS1d - 0.0000 *
 GATSlp^2 SssssGe + 0.0004 * GATSlp^2 CIC1 + 0.0005 * GATSlp^2 AATSC2dv + 0.0001 * GATSlp^2
 AATS0dv + 0.0001 * GATSlp^2 NdsN + 0.0001 * GATSlp^2 CIC0 - 0.0000 * GATSlp^2 VE3_DzZ - 0.0005 *
 GATSlp^2 AATSC1dv + 0.0000 * GATSlp^2 VE3_Dzm - 0.0000 * GATSlp^2 VE3_Dzpe - 0.0001 * GATSlp^2
 VE3_Dzi - 0.0000 * GATSlp^2 VE3_D - 0.0000 * GATSlp^2 VE3_Dzv - 0.0004 * GATSlp^2 GATSlpe - 0.0000
 * GATSlp^2 VE3_Dzp + 0.0000 * GATSlp^2 ATSC1pe + 0.0002 * GATSlp^2 AATS2dv + 0.0002 * GATSlp^2
 ETA_shape_p + 0.0001 * GATSlp^2 VE3_A - 0.0003 * GATSlp^2 SssS + 0.0001 * GATSlp^2 fMF - 0.0000 *
 GATSlp^2 SpAD_Dzv - 0.0003 * GATSlp^2 n3HRing - 0.0003 * GATSlp^2 n3AHRing - 0.0004 * GATSlp^2
 JGT10 + 0.0002 * GATSlp AATS0d^2 + 0.0002 * GATSlp AATS0d AATS1d - 0.0004 * GATSlp AATS0d CIC1 +
 0.0001 * GATSlp AATS0d AATSC2dv - 0.0000 * GATSlp AATS0d AATS0dv + 0.0000 * GATSlp AATS0d
 NdsN - 0.0002 * GATSlp AATS0d CIC0 - 0.0001 * GATSlp AATS0d VE3_DzZ - 0.0002 * GATSlp AATS0d
 AATSC1dv - 0.0001 * GATSlp AATS0d VE3_Dzm - 0.0001 * GATSlp AATS0d VE3_Dzpe - 0.0001 * GATSlp
 AATS0d VE3_Dzi - 0.0001 * GATSlp AATS0d VE3_D - 0.0001 * GATSlp AATS0d VE3_Dzv - 0.0003 *
 GATSlp AATS0d GATSlpe - 0.0001 * GATSlp AATS0d VE3_Dzp - 0.0000 * GATSlp AATS0d AATS2dv +
 0.0003 * GATSlp AATS0d ETA_shape_p - 0.0000 * GATSlp AATS0d VE3_A + 0.0000 * GATSlp AATS0d SssS
 + 0.0000 * GATSlp AATS0d fMF + 0.0000 * GATSlp AATS0d SpAD_Dzv - 0.0001 * GATSlp AATS0d n3HRing
 - 0.0001 * GATSlp AATS0d n3AHRing - 0.0000 * GATSlp AATS0d JGT10 + 0.0000 * GATSlp AATS1d^2 -
 0.0000 * GATSlp AATS1d SssssGe - 0.0001 * GATSlp AATS1d CIC1 + 0.0003 * GATSlp AATS1d AATSC2dv -
 0.0002 * GATSlp AATS1d AATS0dv - 0.0000 * GATSlp AATS1d NdsN - 0.0000 * GATSlp AATS1d CIC0 -
 0.0002 * GATSlp AATS1d VE3_DzZ - 0.0001 * GATSlp AATS1d AATSC1dv - 0.0002 * GATSlp AATS1d
 VE3_Dzm - 0.0002 * GATSlp AATS1d VE3_Dzpe - 0.0002 * GATSlp AATS1d VE3_Dzi - 0.0002 * GATSlp
 AATS1d VE3_D - 0.0002 * GATSlp AATS1d VE3_Dzv + 0.0000 * GATSlp AATS1d GATSlpe - 0.0002 *
 GATSlp AATS1d VE3_Dzp - 0.0000 * GATSlp AATS1d ATSC1pe - 0.0002 * GATSlp AATS1d AATS2dv +
 0.0003 * GATSlp AATS1d ETA_shape_p - 0.0001 * GATSlp AATS1d VE3_A + 0.0002 * GATSlp AATS1d SssS
 + 0.0001 * GATSlp AATS1d fMF + 0.0000 * GATSlp AATS1d SpAD_Dzv - 0.0001 * GATSlp AATS1d n3HRing
 - 0.0001 * GATSlp AATS1d n3AHRing - 0.0000 * GATSlp AATS1d JGT10 + 0.0000 * GATSlp SssssGe^2 -
 0.0000 * GATSlp SssssGe CIC1 - 0.0000 * GATSlp SssssGe AATSC2dv - 0.0000 * GATSlp SssssGe AATS0dv -
 0.0000 * GATSlp SssssGe NdsN - 0.0000 * GATSlp SssssGe CIC0 + 0.0000 * GATSlp SssssGe VE3_DzZ +
 0.0000 * GATSlp SssssGe AATSC1dv + 0.0000 * GATSlp SssssGe VE3_Dzm + 0.0000 * GATSlp SssssGe
 VE3_Dzpe + 0.0000 * GATSlp SssssGe VE3_Dzi + 0.0000 * GATSlp SssssGe VE3_Dzv - 0.0000 * GATSlp
 SssssGe GATSlpe + 0.0000 * GATSlp SssssGe VE3_Dzp + 0.0000 * GATSlp SssssGe ATSC1pe - 0.0000 *
 GATSlp SssssGe AATS2dv + 0.0000 * GATSlp SssssGe ETA_shape_p - 0.0000 * GATSlp SssssGe SssS - 0.0000
 * GATSlp SssssGe fMF - 0.0000 * GATSlp SssssGe SpAD_Dzv + 0.0002 * GATSlp CIC1^2 - 0.0000 * GATSlp
 CIC1 AATSC2dv - 0.0001 * GATSlp CIC1 AATS0dv + 0.0001 * GATSlp CIC1 NdsN + 0.0002 * GATSlp CIC1
 CIC0 + 0.0001 * GATSlp CIC1 VE3_DzZ - 0.0001 * GATSlp CIC1 AATSC1dv + 0.0001 * GATSlp CIC1
 VE3_Dzm + 0.0000 * GATSlp CIC1 VE3_Dzpe + 0.0000 * GATSlp CIC1 VE3_Dzi + 0.0001 * GATSlp CIC1
 VE3_D + 0.0000 * GATSlp CIC1 VE3_Dzv - 0.0003 * GATSlp CIC1 GATSlpe + 0.0000 * GATSlp CIC1
 VE3_Dzp - 0.0002 * GATSlp CIC1 ATSC1pe - 0.0002 * GATSlp CIC1 AATS2dv - 0.0001 * GATSlp CIC1
 ETA_shape_p + 0.0002 * GATSlp CIC1 VE3_A + 0.0001 * GATSlp CIC1 fMF + 0.0000 * GATSlp CIC1
 SpAD_Dzv - 0.0002 * GATSlp CIC1 n3HRing - 0.0002 * GATSlp CIC1 n3AHRing - 0.0003 * GATSlp CIC1
 JGT10 - 0.0002 * GATSlp AATSC2dv^2 - 0.0002 * GATSlp AATSC2dv AATS0dv - 0.0001 * GATSlp
 AATSC2dv NdsN + 0.0000 * GATSlp AATSC2dv CIC0 - 0.0001 * GATSlp AATSC2dv VE3_DzZ + 0.0003 *
 GATSlp AATSC2dv AATSC1dv - 0.0001 * GATSlp AATSC2dv VE3_Dzm - 0.0001 * GATSlp AATSC2dv
 VE3_Dzpe - 0.0001 * GATSlp AATSC2dv VE3_Dzi - 0.0001 * GATSlp AATSC2dv VE3_D - 0.0001 * GATSlp
 AATSC2dv VE3_Dzv - 0.0002 * GATSlp AATSC2dv GATSlpe - 0.0001 * GATSlp AATSC2dv VE3_Dzp +
 0.0000 * GATSlp AATSC2dv ATSC1pe + 0.0001 * GATSlp AATSC2dv AATS2dv + 0.0002 * GATSlp
 AATSC2dv ETA_shape_p - 0.0002 * GATSlp AATSC2dv VE3_A + 0.0001 * GATSlp AATSC2dv SssS + 0.0000
 * GATSlp AATSC2dv fMF + 0.0000 * GATSlp AATSC2dv SpAD_Dzv + 0.0002 * GATSlp AATSC2dv n3HRing
 + 0.0002 * GATSlp AATSC2dv n3AHRing - 0.0001 * GATSlp AATSC2dv JGT10 + 0.0002 * GATSlp
 AATS0dv^2 - 0.0003 * GATSlp AATS0dv NdsN + 0.0011 * GATSlp AATS0dv CIC0 - 0.0002 * GATSlp
 AATS0dv VE3_DzZ - 0.0000 * GATSlp AATS0dv AATSC1dv - 0.0001 * GATSlp AATS0dv VE3_Dzm - 0.0002
 * GATSlp AATS0dv VE3_Dzpe - 0.0002 * GATSlp AATS0dv VE3_Dzi - 0.0002 * GATSlp AATS0dv VE3_D -
 0.0002 * GATSlp AATS0dv VE3_Dzv + 0.0003 * GATSlp AATS0dv GATSlpe - 0.0002 * GATSlp AATS0dv
 VE3_Dzp - 0.0002 * GATSlp AATS0dv ATSC1pe - 0.0005 * GATSlp AATS0dv AATS2dv + 0.0003 * GATSlp
 AATS0dv ETA_shape_p - 0.0001 * GATSlp AATS0dv VE3_A - 0.0001 * GATSlp AATS0dv SssS + 0.0002 *
 GATSlp AATS0dv fMF - 0.0000 * GATSlp AATS0dv SpAD_Dzv - 0.0001 * GATSlp AATS0dv n3HRing -
 0.0001 * GATSlp AATS0dv n3AHRing - 0.0003 * GATSlp AATS0dv JGT10 + 0.0000 * GATSlp NdsN^2 +
 0.0000 * GATSlp NdsN CIC0 + 0.0000 * GATSlp NdsN VE3_DzZ - 0.0000 * GATSlp NdsN AATSC1dv + 0.0000
 * GATSlp NdsN VE3_Dzm + 0.0000 * GATSlp NdsN VE3_Dzpe + 0.0000 * GATSlp NdsN VE3_Dzi + 0.0000 *
 GATSlp NdsN VE3_D + 0.0000 * GATSlp NdsN VE3_Dzv - 0.0001 * GATSlp NdsN GATSlpe + 0.0000 *
 GATSlp NdsN VE3_Dzp + 0.0001 * GATSlp NdsN ATSC1pe + 0.0001 * GATSlp NdsN AATS2dv + 0.0001 *

GATSli NdsN ETA_shape_p + 0.0000 * GATSli NdsN SssS - 0.0000 * GATSli NdsN fMF + 0.0000 * GATSli NdsN SpAD_Dzv + 0.0000 * GATSli NdsN n3HRing + 0.0000 * GATSli NdsN n3AHRing + 0.0000 * GATSli NdsN JGT10 + 0.0001 * GATSli CIC0^2 - 0.0002 * GATSli CIC0 VE3_DzZ - 0.0002 * GATSli CIC0 AATSC1dv - 0.0002 * GATSli CIC0 VE3_Dzm - 0.0003 * GATSli CIC0 VE3_Dzpe - 0.0003 * GATSli CIC0 VE3_Dzi - 0.0003 * GATSli CIC0 VE3_D - 0.0003 * GATSli CIC0 VE3_Dzv - 0.0002 * GATSli CIC0 GATS1pe - 0.0003 * GATSli CIC0 VE3_Dzp - 0.0002 * GATSli CIC0 ATSC1pe - 0.0001 * GATSli CIC0 AATS2dv + 0.0001 * GATSli CIC0 ETA_shape_p - 0.0002 * GATSli CIC0 VE3_A + 0.0000 * GATSli CIC0 SssS - 0.0000 * GATSli CIC0 fMF - 0.0000 * GATSli CIC0 SpAD_Dzv - 0.0001 * GATSli CIC0 n3HRing - 0.0001 * GATSli CIC0 n3AHRing - 0.0001 * GATSli CIC0 JGT10 + 0.0000 * GATSli VE3_DzZ^2 + 0.0002 * GATSli VE3_DzZ AATSC1dv + 0.0000 * GATSli VE3_DzZ VE3_Dzm + 0.0001 * GATSli VE3_DzZ VE3_Dzpe + 0.0001 * GATSli VE3_DzZ VE3_Dzi + 0.0001 * GATSli VE3_DzZ VE3_D + 0.0001 * GATSli VE3_DzZ VE3_Dzv - 0.0000 * GATSli VE3_DzZ GATS1pe + 0.0001 * GATSli VE3_DzZ VE3_Dzp + 0.0001 * GATSli VE3_DzZ ATSC1pe + 0.0001 * GATSli VE3_DzZ AATS2dv - 0.0001 * GATSli VE3_DzZ ETA_shape_p + 0.0001 * GATSli VE3_DzZ VE3_A - 0.0001 * GATSli VE3_DzZ SssS - 0.0000 * GATSli VE3_DzZ fMF - 0.0000 * GATSli VE3_DzZ SpAD_Dzv + 0.0001 * GATSli VE3_DzZ n3HRing + 0.0001 * GATSli VE3_DzZ n3AHRing + 0.0001 * GATSli VE3_DzZ JGT10 + 0.0001 * GATSli AATSC1dv^2 + 0.0002 * GATSli AATSC1dv VE3_Dzm + 0.0002 * GATSli AATSC1dv VE3_Dzpe + 0.0002 * GATSli AATSC1dv VE3_Dzi + 0.0002 * GATSli AATSC1dv VE3_D + 0.0002 * GATSli AATSC1dv VE3_Dzv - 0.0002 * GATSli AATSC1dv GATS1pe + 0.0002 * GATSli AATSC1dv VE3_Dzp - 0.0001 * GATSli AATSC1dv ATSC1pe - 0.0000 * GATSli AATSC1dv AATS2dv - 0.0002 * GATSli AATSC1dv ETA_shape_p + 0.0002 * GATSli AATSC1dv VE3_A + 0.0002 * GATSli AATSC1dv SssS - 0.0002 * GATSli AATSC1dv fMF - 0.0000 * GATSli AATSC1dv SpAD_Dzv + 0.0000 * GATSli AATSC1dv n3HRing + 0.0000 * GATSli AATSC1dv n3AHRing + 0.0001 * GATSli AATSC1dv JGT10 + 0.0000 * GATSli VE3_Dzm^2 + 0.0001 * GATSli VE3_Dzm VE3_Dzpe + 0.0001 * GATSli VE3_Dzm VE3_Dzi + 0.0001 * GATSli VE3_Dzm VE3_D + 0.0001 * GATSli VE3_Dzm VE3_Dzv - 0.0000 * GATSli VE3_Dzm GATS1pe + 0.0001 * GATSli VE3_Dzm VE3_Dzp + 0.0001 * GATSli VE3_Dzm ATSC1pe + 0.0001 * GATSli VE3_Dzm AATS2dv - 0.0001 * GATSli VE3_Dzm ETA_shape_p + 0.0001 * GATSli VE3_Dzm VE3_A - 0.0001 * GATSli VE3_Dzm SssS - 0.0000 * GATSli VE3_Dzm fMF + 0.0000 * GATSli VE3_Dzm SpAD_Dzv + 0.0001 * GATSli VE3_Dzm n3HRing + 0.0001 * GATSli VE3_Dzm n3AHRing + 0.0001 * GATSli VE3_Dzm JGT10 + 0.0001 * GATSli VE3_Dzpe^2 + 0.0001 * GATSli VE3_Dzpe VE3_Dzi + 0.0001 * GATSli VE3_Dzpe VE3_D + 0.0001 * GATSli VE3_Dzpe VE3_Dzv - 0.0001 * GATSli VE3_Dzpe GATS1pe + 0.0001 * GATSli VE3_Dzpe VE3_Dzp + 0.0001 * GATSli VE3_Dzpe ATSC1pe + 0.0001 * GATSli VE3_Dzpe AATS2dv - 0.0002 * GATSli VE3_Dzpe ETA_shape_p + 0.0001 * GATSli VE3_Dzpe VE3_A - 0.0002 * GATSli VE3_Dzpe SssS - 0.0000 * GATSli VE3_Dzpe fMF + 0.0001 * GATSli VE3_Dzpe SpAD_Dzv + 0.0001 * GATSli VE3_Dzpe n3HRing + 0.0001 * GATSli VE3_Dzpe n3AHRing + 0.0001 * GATSli VE3_Dzpe JGT10 + 0.0001 * GATSli VE3_Dzi^2 + 0.0001 * GATSli VE3_Dzi VE3_D + 0.0001 * GATSli VE3_Dzi VE3_Dzv - 0.0001 * GATSli VE3_Dzi GATS1pe + 0.0001 * GATSli VE3_Dzi VE3_Dzp + 0.0001 * GATSli VE3_Dzi ATSC1pe + 0.0001 * GATSli VE3_Dzi AATS2dv - 0.0002 * GATSli VE3_Dzi ETA_shape_p + 0.0001 * GATSli VE3_Dzi VE3_A - 0.0002 * GATSli VE3_Dzi SssS - 0.0000 * GATSli VE3_Dzi fMF - 0.0001 * GATSli VE3_Dzi SpAD_Dzv + 0.0001 * GATSli VE3_Dzi n3HRing + 0.0001 * GATSli VE3_Dzi n3AHRing + 0.0001 * GATSli VE3_Dzi JGT10 + 0.0001 * GATSli VE3_D^2 + 0.0001 * GATSli VE3_D VE3_Dzv - 0.0001 * GATSli VE3_D GATS1pe + 0.0001 * GATSli VE3_D VE3_Dzp + 0.0001 * GATSli VE3_D ATSC1pe + 0.0001 * GATSli VE3_D AATS2dv - 0.0002 * GATSli VE3_D ETA_shape_p + 0.0001 * GATSli VE3_D VE3_A - 0.0002 * GATSli VE3_D SssS - 0.0000 * GATSli VE3_D fMF + 0.0001 * GATSli VE3_D SpAD_Dzv + 0.0001 * GATSli VE3_D n3HRing + 0.0001 * GATSli VE3_D n3AHRing + 0.0001 * GATSli VE3_D JGT10 + 0.0001 * GATSli VE3_Dzv^2 - 0.0001 * GATSli VE3_Dzv GATS1pe + 0.0001 * GATSli VE3_Dzv VE3_Dzp + 0.0001 * GATSli VE3_Dzv ATSC1pe + 0.0001 * GATSli VE3_Dzv AATS2dv - 0.0001 * GATSli VE3_Dzv ETA_shape_p + 0.0001 * GATSli VE3_Dzv VE3_A - 0.0002 * GATSli VE3_Dzv SssS - 0.0000 * GATSli VE3_Dzv fMF - 0.0000 * GATSli VE3_Dzv SpAD_Dzv + 0.0001 * GATSli VE3_Dzv n3HRing + 0.0001 * GATSli VE3_Dzv n3AHRing + 0.0001 * GATSli VE3_Dzv JGT10 - 0.0002 * GATSli GATS1pe^2 - 0.0001 * GATSli GATS1pe VE3_Dzp - 0.0001 * GATSli GATS1pe ATSC1pe - 0.0002 * GATSli GATS1pe AATS2dv + 0.0002 * GATSli GATS1pe ETA_shape_p - 0.0000 * GATSli GATS1pe VE3_A - 0.0000 * GATSli GATS1pe SssS - 0.0001 * GATSli GATS1pe fMF + 0.0000 * GATSli GATS1pe SpAD_Dzv + 0.0000 * GATSli GATS1pe n3HRing + 0.0000 * GATSli GATS1pe n3AHRing - 0.0002 * GATSli GATS1pe JGT10 + 0.0001 * GATSli VE3_Dzp^2 + 0.0001 * GATSli VE3_Dzp ATSC1pe + 0.0000 * GATSli VE3_Dzp AATS2dv - 0.0001 * GATSli VE3_Dzp ETA_shape_p + 0.0001 * GATSli VE3_Dzp VE3_A - 0.0002 * GATSli VE3_Dzp SssS - 0.0000 * GATSli VE3_Dzp fMF - 0.0001 * GATSli VE3_Dzp SpAD_Dzv + 0.0001 * GATSli VE3_Dzp n3HRing + 0.0001 * GATSli VE3_Dzp n3AHRing + 0.0001 * GATSli VE3_Dzp JGT10 - 0.0001 * GATSli ATSC1pe^2 + 0.0000 * GATSli ATSC1pe AATS2dv - 0.0002 * GATSli ATSC1pe ETA_shape_p + 0.0001 * GATSli ATSC1pe VE3_A - 0.0001 * GATSli ATSC1pe SssS - 0.0001 * GATSli ATSC1pe fMF + 0.0000 * GATSli ATSC1pe SpAD_Dzv - 0.0001 * GATSli ATSC1pe n3HRing - 0.0001 * GATSli ATSC1pe n3AHRing + 0.0001 * GATSli ATSC1pe JGT10 + 0.0003 * GATSli AATS2dv^2 + 0.0002 * GATSli AATS2dv ETA_shape_p + 0.0000 * GATSli AATS2dv VE3_A + 0.0002 * GATSli AATS2dv SssS + 0.0000 * GATSli

AATS2dv fMF + 0.0001 * GATS1i AATS2dv n3HRRing + 0.0001 * GATS1i AATS2dv n3AHRing - 0.0001 * GATS1i AATS2dv JGT10 + 0.0001 * GATS1i ETA_shape_p^2 - 0.0001 * GATS1i ETA_shape_p VE3_A + 0.0000 * GATS1i ETA_shape_p SssS + 0.0000 * GATS1i ETA_shape_p fMF + 0.0000 * GATS1i ETA_shape_p n3HRRing + 0.0000 * GATS1i ETA_shape_p n3AHRing - 0.0000 * GATS1i ETA_shape_p JGT10 + 0.0001 * GATS1i VE3_A^2 - 0.0001 * GATS1i VE3_A SssS - 0.0000 * GATS1i VE3_A fMF - 0.0000 * GATS1i VE3_A SpAD_Dzv + 0.0001 * GATS1i VE3_A n3HRRing + 0.0001 * GATS1i VE3_A n3AHRing + 0.0001 * GATS1i VE3_A JGT10 + 0.0001 * GATS1i SssS^2 + 0.0001 * GATS1i SssS fMF + 0.0000 * GATS1i SssS SpAD_Dzv + 0.0000 * GATS1i SssS n3HRRing + 0.0000 * GATS1i SssS n3AHRing - 0.0001 * GATS1i SssS JGT10 + 0.0000 * GATS1i fMF^2 - 0.0000 * GATS1i fMF SpAD_Dzv - 0.0000 * GATS1i fMF n3HRRing - 0.0000 * GATS1i fMF n3AHRing + 0.0001 * GATS1i fMF JGT10 - 0.0000 * GATS1i SpAD_Dzv n3HRRing - 0.0000 * GATS1i SpAD_Dzv n3AHRing - 0.0000 * GATS1i SpAD_Dzv JGT10 - 0.0000 * GATS1i n3HRRing^2 - 0.0000 * GATS1i n3HRRing n3AHRing - 0.0000 * GATS1i n3HRRing JGT10 - 0.0000 * GATS1i n3AHRing^2 - 0.0000 * GATS1i n3AHRing JGT10 - 0.0000 * GATS1i JGT10^2 + 0.0001 * AATS0d^3 + 0.0001 * AATS0d^2 AATS1d + 0.0000 * AATS0d^2 SssssGe + 0.0000 * AATS0d^2 CIC1 - 0.0003 * AATS0d^2 AATSC2dv - 0.0000 * AATS0d^2 AATS0dv + 0.0000 * AATS0d^2 NdsN + 0.0002 * AATS0d^2 CIC0 - 0.0001 * AATS0d^2 VE3_DzZ + 0.0002 * AATS0d^2 AATSC1dv - 0.0001 * AATS0d^2 VE3_Dzm - 0.0001 * AATS0d^2 VE3_Dzpe - 0.0001 * AATS0d^2 VE3_Dzi - 0.0001 * AATS0d^2 VE3_D - 0.0001 * AATS0d^2 VE3_Dzv - 0.0005 * AATS0d^2 GATS1pe - 0.0002 * AATS0d^2 VE3_Dzp - 0.0001 * AATS0d^2 ATSC1pe - 0.0000 * AATS0d^2 AATS2dv + 0.0002 * AATS0d^2 ETA_shape_p - 0.0002 * AATS0d^2 SssS + 0.0000 * AATS0d^2 fMF + 0.0000 * AATS0d^2 SpAD_Dzv + 0.0001 * AATS0d^2 n3HRRing + 0.0001 * AATS0d^2 n3AHRing + 0.0000 * AATS0d^2 JGT10 + 0.0001 * AATS0d AATS1d^2 + 0.0000 * AATS0d AATS1d SssssGe + 0.0000 * AATS0d AATS1d CIC1 - 0.0001 * AATS0d AATS1d AATSC2dv + 0.0000 * AATS0d AATS1d AATS0dv - 0.0000 * AATS0d AATS1d NdsN + 0.0001 * AATS0d AATS1d CIC0 - 0.0000 * AATS0d AATS1d VE3_DzZ + 0.0001 * AATS0d AATS1d AATSC1dv + 0.0000 * AATS0d AATS1d VE3_Dzm + 0.0000 * AATS0d AATS1d VE3_Dzpe - 0.0000 * AATS0d AATS1d VE3_Dzi - 0.0000 * AATS0d AATS1d VE3_D - 0.0000 * AATS0d AATS1d VE3_Dzv - 0.0003 * AATS0d AATS1d GATS1pe - 0.0001 * AATS0d AATS1d VE3_Dzp - 0.0001 * AATS0d AATS1d ATSC1pe + 0.0001 * AATS0d AATS1d AATS2dv + 0.0001 * AATS0d AATS1d ETA_shape_p + 0.0001 * AATS0d AATS1d VE3_A - 0.0002 * AATS0d AATS1d SssS + 0.0001 * AATS0d AATS1d fMF + 0.0000 * AATS0d AATS1d SpAD_Dzv + 0.0000 * AATS0d AATS1d n3HRRing + 0.0000 * AATS0d AATS1d n3AHRing - 0.0000 * AATS0d AATS1d JGT10 - 0.0000 * AATS0d SssssGe^2 - 0.0000 * AATS0d SssssGe CIC1 - 0.0000 * AATS0d SssssGe AATSC2dv - 0.0000 * AATS0d SssssGe NdsN + 0.0000 * AATS0d SssssGe CIC0 + 0.0000 * AATS0d SssssGe VE3_DzZ + 0.0000 * AATS0d SssssGe AATSC1dv + 0.0000 * AATS0d SssssGe VE3_Dzm + 0.0000 * AATS0d SssssGe VE3_Dzpe + 0.0000 * AATS0d SssssGe VE3_Dzi + 0.0000 * AATS0d SssssGe VE3_D + 0.0000 * AATS0d SssssGe VE3_Dzv + 0.0000 * AATS0d SssssGe GATS1pe + 0.0000 * AATS0d SssssGe VE3_Dzp + 0.0000 * AATS0d SssssGe ATSC1pe - 0.0000 * AATS0d SssssGe AATS2dv + 0.0000 * AATS0d SssssGe ETA_shape_p + 0.0000 * AATS0d SssssGe VE3_A - 0.0000 * AATS0d SssssGe SssS - 0.0000 * AATS0d SssssGe fMF - 0.0001 * AATS0d SssssGe SpAD_Dzv + 0.0000 * AATS0d SssssGe JGT10 - 0.0001 * AATS0d CIC1^2 - 0.0002 * AATS0d CIC1 AATSC2dv - 0.0003 * AATS0d CIC1 AATS0dv - 0.0000 * AATS0d CIC1 NdsN - 0.0001 * AATS0d CIC1 CIC0 + 0.0001 * AATS0d CIC1 VE3_DzZ + 0.0000 * AATS0d CIC1 AATSC1dv + 0.0001 * AATS0d CIC1 VE3_Dzm + 0.0000 * AATS0d CIC1 VE3_Dzpe - 0.0000 * AATS0d CIC1 VE3_Dzi + 0.0000 * AATS0d CIC1 VE3_D - 0.0000 * AATS0d CIC1 VE3_Dzv - 0.0003 * AATS0d CIC1 GATS1pe - 0.0001 * AATS0d CIC1 VE3_Dzp + 0.0002 * AATS0d CIC1 ATSC1pe - 0.0000 * AATS0d CIC1 AATS2dv + 0.0001 * AATS0d CIC1 ETA_shape_p + 0.0001 * AATS0d CIC1 VE3_A - 0.0001 * AATS0d CIC1 SssS + 0.0001 * AATS0d CIC1 fMF + 0.0000 * AATS0d CIC1 SpAD_Dzv + 0.0000 * AATS0d CIC1 n3HRRing + 0.0000 * AATS0d CIC1 n3AHRing - 0.0001 * AATS0d CIC1 JGT10 - 0.0002 * AATS0d AATSC2dv^2 + 0.0001 * AATS0d AATSC2dv AATS0dv - 0.0001 * AATS0d AATSC2dv NdsN - 0.0001 * AATS0d AATSC2dv CIC0 + 0.0001 * AATS0d AATSC2dv VE3_DzZ - 0.0002 * AATS0d AATSC2dv AATSC1dv + 0.0001 * AATS0d AATSC2dv VE3_Dzm + 0.0001 * AATS0d AATSC2dv VE3_Dzpe + 0.0000 * AATS0d AATSC2dv VE3_Dzi + 0.0000 * AATS0d AATSC2dv VE3_D + 0.0000 * AATS0d AATSC2dv VE3_Dzv - 0.0001 * AATS0d AATSC2dv GATS1pe + 0.0001 * AATS0d AATSC2dv VE3_Dzp - 0.0002 * AATS0d AATSC2dv ATSC1pe + 0.0000 * AATS0d AATSC2dv AATS2dv + 0.0000 * AATS0d AATSC2dv ETA_shape_p + 0.0000 * AATS0d AATSC2dv VE3_A - 0.0000 * AATS0d AATSC2dv SssS + 0.0001 * AATS0d AATSC2dv fMF + 0.0000 * AATS0d AATSC2dv SpAD_Dzv + 0.0001 * AATS0d AATSC2dv n3HRRing + 0.0001 * AATS0d AATSC2dv n3AHRing - 0.0001 * AATS0d AATSC2dv JGT10 - 0.0001 * AATS0d AATS0dv^2 + 0.0001 * AATS0d AATS0dv NdsN + 0.0001 * AATS0d AATS0dv CIC0 - 0.0000 * AATS0d AATS0dv VE3_DzZ + 0.0004 * AATS0d AATS0dv AATSC1dv + 0.0000 * AATS0d AATS0dv VE3_Dzm + 0.0001 * AATS0d AATS0dv VE3_Dzpe - 0.0000 * AATS0d AATS0dv VE3_Dzi + 0.0000 * AATS0d AATS0dv VE3_D + 0.0000 * AATS0d AATS0dv VE3_Dzv + 0.0001 * AATS0d AATS0dv GATS1pe - 0.0001 * AATS0d AATS0dv VE3_Dzp + 0.0001 * AATS0d AATS0dv ATSC1pe + 0.0001 * AATS0d AATS0dv AATS2dv - 0.0002 * AATS0d AATS0dv ETA_shape_p + 0.0001 * AATS0d AATS0dv VE3_A + 0.0001 * AATS0d AATS0dv SssS - 0.0000 * AATS0d AATS0dv fMF + 0.0000 * AATS0d AATS0dv SpAD_Dzv + 0.0000 * AATS0d AATS0dv n3HRRing + 0.0000 * AATS0d AATS0dv n3AHRing + 0.0002 * AATS0d AATS0dv JGT10 + 0.0001 * AATS0d NdsN^2 + 0.0001 * AATS0d NdsN CIC0 - 0.0001 * AATS0d NdsN AATSC1dv + 0.0000 *

AATS0d NdsN VE3_Dzi + 0.0000 * AATS0d NdsN VE3_D - 0.0000 * AATS0d NdsN VE3_Dzv - 0.0001 *
AATS0d NdsN GATS1pe - 0.0000 * AATS0d NdsN VE3_Dzp - 0.0000 * AATS0d NdsN ATSC1pe - 0.0000 *
AATS0d NdsN AATS2dv + 0.0000 * AATS0d NdsN ETA_shape_p + 0.0000 * AATS0d NdsN VE3_A + 0.0001 *
AATS0d NdsN SssS + 0.0000 * AATS0d NdsN fMF + 0.0000 * AATS0d NdsN n3HRing + 0.0000 * AATS0d
NdsN n3AHRing - 0.0000 * AATS0d NdsN JGT10 + 0.0001 * AATS0d CIC0^2 - 0.0000 * AATS0d CIC0
VE3_DzZ + 0.0001 * AATS0d CIC0 AATSC1dv + 0.0000 * AATS0d CIC0 VE3_Dzm - 0.0000 * AATS0d CIC0
VE3_Dzpe - 0.0001 * AATS0d CIC0 VE3_Dzi - 0.0001 * AATS0d CIC0 VE3_D - 0.0000 * AATS0d CIC0
VE3_Dzv - 0.0002 * AATS0d CIC0 GATS1pe - 0.0001 * AATS0d CIC0 VE3_Dzp + 0.0000 * AATS0d CIC0
ATSC1pe - 0.0002 * AATS0d CIC0 AATS2dv - 0.0000 * AATS0d CIC0 ETA_shape_p + 0.0000 * AATS0d CIC0
VE3_A - 0.0000 * AATS0d CIC0 SssS + 0.0002 * AATS0d CIC0 fMF + 0.0000 * AATS0d CIC0 n3HRing +
0.0000 * AATS0d CIC0 n3AHRing + 0.0001 * AATS0d CIC0 JGT10 - 0.0000 * AATS0d VE3_DzZ^2 - 0.0000 *
AATS0d VE3_DzZ AATSC1dv - 0.0000 * AATS0d VE3_DzZ VE3_Dzm + 0.0000 * AATS0d VE3_DzZ
VE3_Dzpe + 0.0000 * AATS0d VE3_DzZ VE3_Dzi + 0.0000 * AATS0d VE3_DzZ VE3_D + 0.0000 * AATS0d
VE3_DzZ VE3_Dzv + 0.0001 * AATS0d VE3_DzZ GATS1pe - 0.0000 * AATS0d VE3_DzZ VE3_Dzp - 0.0001 *
AATS0d VE3_DzZ ATSC1pe - 0.0001 * AATS0d VE3_DzZ AATS2dv + 0.0000 * AATS0d VE3_DzZ
ETA_shape_p + 0.0000 * AATS0d VE3_DzZ VE3_A + 0.0000 * AATS0d VE3_DzZ SssS - 0.0000 * AATS0d
VE3_DzZ fMF + 0.0000 * AATS0d VE3_DzZ SpAD_Dzv + 0.0000 * AATS0d VE3_DzZ n3HRing + 0.0000 *
AATS0d VE3_DzZ n3AHRing + 0.0000 * AATS0d VE3_DzZ JGT10 - 0.0000 * AATS0d AATSC1dv^2 - 0.0000
* AATS0d AATSC1dv VE3_Dzm + 0.0000 * AATS0d AATSC1dv VE3_Dzpe - 0.0000 * AATS0d AATSC1dv
VE3_Dzi + 0.0000 * AATS0d AATSC1dv VE3_D + 0.0001 * AATS0d AATSC1dv VE3_Dzv + 0.0002 * AATS0d
AATSC1dv GATS1pe + 0.0000 * AATS0d AATSC1dv VE3_Dzp + 0.0001 * AATS0d AATSC1dv ATSC1pe -
0.0003 * AATS0d AATSC1dv AATS2dv - 0.0001 * AATS0d AATSC1dv ETA_shape_p + 0.0000 * AATS0d
AATSC1dv VE3_A - 0.0000 * AATS0d AATSC1dv SssS + 0.0000 * AATS0d AATSC1dv fMF - 0.0000 *
AATS0d AATSC1dv SpAD_Dzv + 0.0000 * AATS0d AATSC1dv n3HRing + 0.0000 * AATS0d AATSC1dv
n3AHRing - 0.0001 * AATS0d AATSC1dv JGT10 - 0.0000 * AATS0d VE3_Dzm^2 + 0.0000 * AATS0d
VE3_Dzm VE3_Dzpe + 0.0000 * AATS0d VE3_Dzm VE3_Dzi + 0.0000 * AATS0d VE3_Dzm VE3_D + 0.0000 *
AATS0d VE3_Dzm VE3_Dzv + 0.0001 * AATS0d VE3_Dzm GATS1pe - 0.0000 * AATS0d VE3_Dzm VE3_Dzp
- 0.0001 * AATS0d VE3_Dzm ATSC1pe - 0.0000 * AATS0d VE3_Dzm AATS2dv + 0.0001 * AATS0d VE3_Dzm
ETA_shape_p + 0.0000 * AATS0d VE3_Dzm VE3_A + 0.0000 * AATS0d VE3_Dzm SssS - 0.0000 * AATS0d
VE3_Dzm fMF + 0.0001 * AATS0d VE3_Dzm SpAD_Dzv + 0.0000 * AATS0d VE3_Dzm n3HRing + 0.0000 *
AATS0d VE3_Dzm n3AHRing + 0.0000 * AATS0d VE3_Dzm JGT10 + 0.0001 * AATS0d VE3_Dzpe^2 + 0.0001
* AATS0d VE3_Dzpe VE3_Dzi + 0.0001 * AATS0d VE3_Dzpe VE3_D + 0.0001 * AATS0d VE3_Dzpe
VE3_Dzv + 0.0000 * AATS0d VE3_Dzpe GATS1pe + 0.0001 * AATS0d VE3_Dzpe VE3_Dzp + 0.0000 *
AATS0d VE3_Dzpe ATSC1pe + 0.0000 * AATS0d VE3_Dzpe AATS2dv + 0.0000 * AATS0d VE3_Dzpe
ETA_shape_p + 0.0001 * AATS0d VE3_Dzpe VE3_A - 0.0000 * AATS0d VE3_Dzpe SssS - 0.0000 * AATS0d
VE3_Dzpe fMF + 0.0001 * AATS0d VE3_Dzpe SpAD_Dzv + 0.0000 * AATS0d VE3_Dzpe n3HRing + 0.0000 *
AATS0d VE3_Dzpe n3AHRing + 0.0000 * AATS0d VE3_Dzpe JGT10 + 0.0001 * AATS0d VE3_Dzi^2 + 0.0001
* AATS0d VE3_Dzi VE3_D + 0.0001 * AATS0d VE3_Dzi VE3_Dzv + 0.0000 * AATS0d VE3_Dzi GATS1pe +
0.0000 * AATS0d VE3_Dzi VE3_Dzp + 0.0000 * AATS0d VE3_Dzi ATSC1pe - 0.0000 * AATS0d VE3_Dzi
AATS2dv + 0.0000 * AATS0d VE3_Dzi ETA_shape_p + 0.0001 * AATS0d VE3_Dzi VE3_A - 0.0000 * AATS0d
VE3_Dzi SssS - 0.0000 * AATS0d VE3_Dzi fMF - 0.0003 * AATS0d VE3_Dzi SpAD_Dzv + 0.0000 * AATS0d
VE3_Dzi n3HRing + 0.0000 * AATS0d VE3_Dzi n3AHRing - 0.0000 * AATS0d VE3_Dzi JGT10 + 0.0001 *
AATS0d VE3_D^2 + 0.0001 * AATS0d VE3_D VE3_Dzv + 0.0000 * AATS0d VE3_D GATS1pe + 0.0000 *
AATS0d VE3_D VE3_Dzp + 0.0000 * AATS0d VE3_D ATSC1pe - 0.0000 * AATS0d VE3_D AATS2dv +
0.0000 * AATS0d VE3_D ETA_shape_p + 0.0001 * AATS0d VE3_D VE3_A - 0.0000 * AATS0d VE3_D SssS -
0.0000 * AATS0d VE3_D fMF - 0.0002 * AATS0d VE3_D SpAD_Dzv + 0.0000 * AATS0d VE3_D n3HRing +
0.0000 * AATS0d VE3_D n3AHRing - 0.0000 * AATS0d VE3_D JGT10 + 0.0001 * AATS0d VE3_Dzv^2 +
0.0000 * AATS0d VE3_Dzv GATS1pe + 0.0001 * AATS0d VE3_Dzv VE3_Dzp - 0.0000 * AATS0d VE3_Dzv
ATSC1pe - 0.0000 * AATS0d VE3_Dzv AATS2dv + 0.0000 * AATS0d VE3_Dzv ETA_shape_p + 0.0001 *
AATS0d VE3_Dzv VE3_A - 0.0000 * AATS0d VE3_Dzv SssS - 0.0000 * AATS0d VE3_Dzv fMF + 0.0001 *
AATS0d VE3_Dzv SpAD_Dzv + 0.0000 * AATS0d VE3_Dzv n3HRing + 0.0000 * AATS0d VE3_Dzv n3AHRing
- 0.0000 * AATS0d VE3_Dzv JGT10 - 0.0002 * AATS0d GATS1pe^2 + 0.0000 * AATS0d GATS1pe VE3_Dzp +
0.0001 * AATS0d GATS1pe ATSC1pe - 0.0001 * AATS0d GATS1pe AATS2dv + 0.0001 * AATS0d GATS1pe
ETA_shape_p + 0.0000 * AATS0d GATS1pe VE3_A - 0.0000 * AATS0d GATS1pe SssS - 0.0002 * AATS0d
GATS1pe fMF + 0.0000 * AATS0d GATS1pe SpAD_Dzv + 0.0001 * AATS0d GATS1pe n3HRing + 0.0001 *
AATS0d GATS1pe n3AHRing - 0.0001 * AATS0d GATS1pe JGT10 + 0.0000 * AATS0d VE3_Dzp^2 - 0.0001 *
AATS0d VE3_Dzp ATSC1pe - 0.0001 * AATS0d VE3_Dzp AATS2dv + 0.0000 * AATS0d VE3_Dzp
ETA_shape_p + 0.0001 * AATS0d VE3_Dzp VE3_A - 0.0000 * AATS0d VE3_Dzp fMF + 0.0001 * AATS0d
VE3_Dzp SpAD_Dzv + 0.0000 * AATS0d VE3_Dzp n3HRing + 0.0000 * AATS0d VE3_Dzp n3AHRing - 0.0000
* AATS0d VE3_Dzp JGT10 + 0.0002 * AATS0d ATSC1pe^2 - 0.0000 * AATS0d ATSC1pe AATS2dv - 0.0001 *
AATS0d ATSC1pe ETA_shape_p - 0.0000 * AATS0d ATSC1pe VE3_A + 0.0001 * AATS0d ATSC1pe SssS -
0.0001 * AATS0d ATSC1pe fMF + 0.0000 * AATS0d ATSC1pe SpAD_Dzv - 0.0001 * AATS0d ATSC1pe

$n3HRing - 0.0001 * AATS0d ATSC1pe n3AHRing + 0.0000 * AATS0d ATSC1pe JGT10 - 0.0000 * AATS0d AATS2dv^2 - 0.0001 * AATS0d AATS2dv ETA_shape_p - 0.0000 * AATS0d AATS2dv VE3_A + 0.0001 * AATS0d AATS2dv SssS - 0.0002 * AATS0d AATS2dv fMF - 0.0000 * AATS0d AATS2dv SpAD_Dzv + 0.0000 * AATS0d AATS2dv n3HRing + 0.0000 * AATS0d AATS2dv n3AHRing - 0.0002 * AATS0d AATS2dv JGT10 - 0.0001 * AATS0d ETA_shape_p^2 - 0.0000 * AATS0d ETA_shape_p VE3_A + 0.0001 * AATS0d ETA_shape_p SssS - 0.0001 * AATS0d ETA_shape_p fMF + 0.0000 * AATS0d ETA_shape_p SpAD_Dzv - 0.0000 * AATS0d ETA_shape_p n3HRing - 0.0000 * AATS0d ETA_shape_p n3AHRing + 0.0000 * AATS0d ETA_shape_p JGT10 + 0.0001 * AATS0d VE3_A^2 - 0.0000 * AATS0d VE3_A SssS - 0.0000 * AATS0d VE3_A fMF - 0.0000 * AATS0d VE3_A SpAD_Dzv + 0.0000 * AATS0d VE3_A n3HRing + 0.0000 * AATS0d VE3_A n3AHRing - 0.0000 * AATS0d VE3_A JGT10 - 0.0001 * AATS0d SssS^2 + 0.0000 * AATS0d SssS fMF + 0.0000 * AATS0d SssS SpAD_Dzv + 0.0000 * AATS0d SssS n3HRing + 0.0000 * AATS0d SssS n3AHRing - 0.0000 * AATS0d SssS JGT10 + 0.0000 * AATS0d fMF^2 - 0.0001 * AATS0d fMF SpAD_Dzv + 0.0000 * AATS0d fMF n3HRing + 0.0000 * AATS0d fMF n3AHRing + 0.0000 * AATS0d fMF JGT10 - 0.0000 * AATS0d SpAD_Dzv n3HRing - 0.0000 * AATS0d SpAD_Dzv n3AHRing - 0.0001 * AATS0d SpAD_Dzv JGT10 + 0.0000 * AATS0d n3HRing^2 + 0.0000 * AATS0d n3HRing n3AHRing + 0.0001 * AATS0d n3HRing JGT10 + 0.0000 * AATS0d n3AHRing^2 + 0.0001 * AATS0d n3AHRing JGT10 - 0.0001 * AATS0d JGT10^2 - 0.0001 * AATS1d^3 + 0.0001 * AATS1d^2 SssssGe - 0.0000 * AATS1d^2 CIC1 + 0.0000 * AATS1d^2 AATSC2dv - 0.0002 * AATS1d^2 AATS0dv - 0.0001 * AATS1d^2 NdsN - 0.0001 * AATS1d^2 CIC0 + 0.0000 * AATS1d^2 VE3_DzZ - 0.0002 * AATS1d^2 AATSC1dv + 0.0001 * AATS1d^2 VE3_Dzm + 0.0001 * AATS1d^2 VE3_Dzpe + 0.0000 * AATS1d^2 VE3_Dzi + 0.0001 * AATS1d^2 VE3_D + 0.0000 * AATS1d^2 VE3_Dzv + 0.0001 * AATS1d^2 GATS1pe - 0.0001 * AATS1d^2 VE3_Dzp - 0.0001 * AATS1d^2 ATSC1pe + 0.0002 * AATS1d^2 AATS2dv - 0.0000 * AATS1d^2 ETA_shape_p + 0.0001 * AATS1d^2 VE3_A - 0.0000 * AATS1d^2 SssS + 0.0001 * AATS1d^2 fMF - 0.0000 * AATS1d^2 SpAD_Dzv - 0.0000 * AATS1d^2 n3HRing - 0.0000 * AATS1d^2 n3AHRing - 0.0001 * AATS1d^2 JGT10 - 0.0000 * AATS1d SssssGe^2 - 0.0000 * AATS1d SssssGe CIC1 - 0.0000 * AATS1d SssssGe AATSC2dv + 0.0000 * AATS1d SssssGe AATS0dv - 0.0000 * AATS1d SssssGe NdsN + 0.0001 * AATS1d SssssGe CIC0 + 0.0000 * AATS1d SssssGe VE3_DzZ + 0.0000 * AATS1d SssssGe AATSC1dv + 0.0000 * AATS1d SssssGe VE3_Dzm + 0.0000 * AATS1d SssssGe VE3_Dzpe + 0.0000 * AATS1d SssssGe VE3_Dzi + 0.0000 * AATS1d SssssGe VE3_D + 0.0000 * AATS1d SssssGe VE3_Dzv + 0.0000 * AATS1d SssssGe GATS1pe + 0.0000 * AATS1d SssssGe VE3_Dzp + 0.0000 * AATS1d SssssGe ATSC1pe - 0.0000 * AATS1d SssssGe AATS2dv + 0.0000 * AATS1d SssssGe ETA_shape_p + 0.0000 * AATS1d SssssGe VE3_A - 0.0000 * AATS1d SssssGe SssS - 0.0000 * AATS1d SssssGe fMF - 0.0001 * AATS1d SssssGe SpAD_Dzv + 0.0000 * AATS1d SssssGe JGT10 - 0.0000 * AATS1d CIC1^2 - 0.0001 * AATS1d CIC1 AATSC2dv + 0.0000 * AATS1d CIC1 AATS0dv + 0.0000 * AATS1d CIC1 NdsN - 0.0000 * AATS1d CIC1 CIC0 + 0.0001 * AATS1d CIC1 VE3_DzZ + 0.0001 * AATS1d CIC1 AATSC1dv + 0.0001 * AATS1d CIC1 VE3_Dzm + 0.0000 * AATS1d CIC1 VE3_Dzpe + 0.0000 * AATS1d CIC1 VE3_Dzi + 0.0000 * AATS1d CIC1 VE3_D - 0.0000 * AATS1d CIC1 VE3_Dzv + 0.0001 * AATS1d CIC1 GATS1pe - 0.0001 * AATS1d CIC1 VE3_Dzp + 0.0001 * AATS1d CIC1 ATSC1pe + 0.0003 * AATS1d CIC1 AATS2dv - 0.0000 * AATS1d CIC1 ETA_shape_p + 0.0001 * AATS1d CIC1 VE3_A - 0.0000 * AATS1d CIC1 SssS + 0.0002 * AATS1d CIC1 fMF - 0.0000 * AATS1d CIC1 SpAD_Dzv - 0.0000 * AATS1d CIC1 n3HRing - 0.0000 * AATS1d CIC1 n3AHRing - 0.0000 * AATS1d CIC1 JGT10 + 0.0002 * AATS1d AATSC2dv^2 + 0.0004 * AATS1d AATSC2dv AATS0dv - 0.0001 * AATS1d AATSC2dv NdsN + 0.0002 * AATS1d AATSC2dv CIC0 - 0.0000 * AATS1d AATSC2dv VE3_DzZ + 0.0004 * AATS1d AATSC2dv AATSC1dv + 0.0000 * AATS1d AATSC2dv VE3_Dzm - 0.0000 * AATS1d AATSC2dv VE3_Dzpe - 0.0001 * AATS1d AATSC2dv VE3_Dzi - 0.0001 * AATS1d AATSC2dv VE3_D - 0.0001 * AATS1d AATSC2dv VE3_Dzv - 0.0001 * AATS1d AATSC2dv GATS1pe - 0.0000 * AATS1d AATSC2dv VE3_Dzp - 0.0001 * AATS1d AATSC2dv ATSC1pe - 0.0002 * AATS1d AATSC2dv AATS2dv + 0.0002 * AATS1d AATSC2dv ETA_shape_p - 0.0001 * AATS1d AATSC2dv VE3_A + 0.0000 * AATS1d AATSC2dv SssS + 0.0001 * AATS1d AATSC2dv fMF - 0.0000 * AATS1d AATSC2dv SpAD_Dzv + 0.0002 * AATS1d AATSC2dv n3HRing + 0.0002 * AATS1d AATSC2dv n3AHRing - 0.0000 * AATS1d AATSC2dv JGT10 - 0.0000 * AATS1d AATS0dv^2 + 0.0000 * AATS1d AATS0dv NdsN - 0.0003 * AATS1d AATS0dv CIC0 + 0.0000 * AATS1d AATS0dv VE3_DzZ - 0.0002 * AATS1d AATS0dv AATSC1dv + 0.0001 * AATS1d AATS0dv VE3_Dzm + 0.0002 * AATS1d AATS0dv VE3_Dzpe + 0.0001 * AATS1d AATS0dv VE3_Dzi + 0.0001 * AATS1d AATS0dv VE3_D + 0.0001 * AATS1d AATS0dv VE3_Dzv + 0.0006 * AATS1d AATS0dv GATS1pe - 0.0001 * AATS1d AATS0dv VE3_Dzp - 0.0001 * AATS1d AATS0dv ATSC1pe + 0.0003 * AATS1d AATS0dv AATS2dv - 0.0003 * AATS1d AATS0dv ETA_shape_p + 0.0001 * AATS1d AATS0dv VE3_A + 0.0000 * AATS1d AATS0dv SssS + 0.0000 * AATS1d AATS0dv fMF + 0.0000 * AATS1d AATS0dv SpAD_Dzv + 0.0000 * AATS1d AATS0dv n3HRing + 0.0000 * AATS1d AATS0dv n3AHRing - 0.0003 * AATS1d AATS0dv JGT10 + 0.0001 * AATS1d NdsN^2 + 0.0001 * AATS1d NdsN CIC0 + 0.0000 * AATS1d NdsN VE3_DzZ - 0.0001 * AATS1d NdsN AATSC1dv + 0.0000 * AATS1d NdsN VE3_Dzm + 0.0000 * AATS1d NdsN VE3_Dzpe + 0.0000 * AATS1d NdsN VE3_Dzi + 0.0000 * AATS1d NdsN VE3_D + 0.0000 * AATS1d NdsN VE3_Dzv - 0.0002 * AATS1d NdsN GATS1pe - 0.0000 * AATS1d NdsN VE3_Dzp + 0.0003 * AATS1d NdsN ATSC1pe - 0.0000 * AATS1d NdsN AATS2dv + 0.0000 * AATS1d NdsN ETA_shape_p + 0.0000 * AATS1d NdsN VE3_A + 0.0001 * AATS1d NdsN SssS + 0.0000 * AATS1d NdsN fMF + 0.0000 * AATS1d NdsN n3HRing + 0.0000 * AATS1d NdsN n3AHRing - 0.0001 * AATS1d NdsN JGT10 + 0.0000 *$

$$\begin{aligned}
& \text{AATS1d CIC0}^2 + 0.0000 * \text{AATS1d CIC0 VE3_DzZ} - 0.0001 * \text{AATS1d CIC0 AATSC1dv} + 0.0000 * \text{AATS1d} \\
& \text{CIC0 VE3_Dzm} + 0.0000 * \text{AATS1d CIC0 VE3_Dzpe} - 0.0000 * \text{AATS1d CIC0 VE3_Dzi} - 0.0000 * \text{AATS1d} \\
& \text{CIC0 VE3_D} - 0.0000 * \text{AATS1d CIC0 VE3_Dzv} + 0.0002 * \text{AATS1d CIC0 GATS1pe} - 0.0001 * \text{AATS1d CIC0} \\
& \text{VE3_Dzp} - 0.0002 * \text{AATS1d CIC0 ATSC1pe} - 0.0003 * \text{AATS1d CIC0 AATS2dv} - 0.0002 * \text{AATS1d CIC0} \\
& \text{ETA_shape_p} - 0.0000 * \text{AATS1d CIC0 VE3_A} + 0.0003 * \text{AATS1d CIC0 SssS} + 0.0002 * \text{AATS1d CIC0 fMF} + \\
& 0.0000 * \text{AATS1d CIC0 SpAD_Dzv} - 0.0001 * \text{AATS1d CIC0 n3HRing} - 0.0001 * \text{AATS1d CIC0 n3AHRing} + \\
& 0.0001 * \text{AATS1d CIC0 JGT10} - 0.0001 * \text{AATS1d VE3_DzZ}^2 + 0.0001 * \text{AATS1d VE3_DzZ AATSC1dv} - \\
& 0.0001 * \text{AATS1d VE3_DzZ VE3_Dzm} + 0.0000 * \text{AATS1d VE3_DzZ VE3_Dzpe} - 0.0000 * \text{AATS1d VE3_DzZ} \\
& \text{VE3_D} + 0.0000 * \text{AATS1d VE3_DzZ VE3_Dzv} + 0.0002 * \text{AATS1d VE3_DzZ GATS1pe} - 0.0000 * \text{AATS1d} \\
& \text{VE3_DzZ VE3_Dzp} - 0.0001 * \text{AATS1d VE3_DzZ ATSC1pe} - 0.0001 * \text{AATS1d VE3_DzZ AATS2dv} + 0.0001 * \\
& \text{AATS1d VE3_DzZ ETA_shape_p} + 0.0001 * \text{AATS1d VE3_DzZ SssS} - 0.0000 * \text{AATS1d VE3_DzZ fMF} - \\
& 0.0000 * \text{AATS1d VE3_DzZ SpAD_Dzv} - 0.0000 * \text{AATS1d VE3_DzZ n3HRing} - 0.0000 * \text{AATS1d VE3_DzZ} \\
& \text{n3AHRing} - 0.0000 * \text{AATS1d VE3_DzZ JGT10} + 0.0001 * \text{AATS1d AATSC1dv}^2 + 0.0001 * \text{AATS1d} \\
& \text{AATSC1dv VE3_Dzm} + 0.0001 * \text{AATS1d AATSC1dv VE3_Dzpe} + 0.0001 * \text{AATS1d AATSC1dv VE3_Dzi} + \\
& 0.0001 * \text{AATS1d AATSC1dv VE3_D} + 0.0002 * \text{AATS1d AATSC1dv VE3_Dzv} + 0.0002 * \text{AATS1d} \\
& \text{AATSC1dv GATS1pe} + 0.0001 * \text{AATS1d AATSC1dv VE3_Dzp} + 0.0001 * \text{AATS1d AATSC1dv ATSC1pe} - \\
& 0.0001 * \text{AATS1d AATSC1dv AATS2dv} - 0.0001 * \text{AATS1d AATSC1dv ETA_shape_p} + 0.0001 * \text{AATS1d} \\
& \text{AATSC1dv VE3_A} - 0.0001 * \text{AATS1d AATSC1dv SssS} + 0.0000 * \text{AATS1d AATSC1dv fMF} - 0.0000 * \\
& \text{AATS1d AATSC1dv SpAD_Dzv} + 0.0001 * \text{AATS1d AATSC1dv n3HRing} + 0.0001 * \text{AATS1d AATSC1dv} \\
& \text{n3AHRing} - 0.0000 * \text{AATS1d AATSC1dv JGT10} - 0.0001 * \text{AATS1d VE3_Dzm}^2 + 0.0000 * \text{AATS1d} \\
& \text{VE3_Dzm VE3_Dzpe} - 0.0000 * \text{AATS1d VE3_Dzm VE3_Dzi} - 0.0000 * \text{AATS1d VE3_Dzm VE3_D} + 0.0000 * \\
& \text{AATS1d VE3_Dzm VE3_Dzv} + 0.0003 * \text{AATS1d VE3_Dzm GATS1pe} - 0.0000 * \text{AATS1d VE3_Dzm VE3_Dzp} \\
& - 0.0001 * \text{AATS1d VE3_Dzm ATSC1pe} - 0.0000 * \text{AATS1d VE3_Dzm AATS2dv} + 0.0001 * \text{AATS1d VE3_Dzm} \\
& \text{ETA_shape_p} - 0.0000 * \text{AATS1d VE3_Dzm VE3_A} + 0.0001 * \text{AATS1d VE3_Dzm SssS} - 0.0000 * \text{AATS1d} \\
& \text{VE3_Dzm fMF} - 0.0000 * \text{AATS1d VE3_Dzm SpAD_Dzv} - 0.0000 * \text{AATS1d VE3_Dzm n3HRing} - 0.0000 * \\
& \text{AATS1d VE3_Dzm n3AHRing} - 0.0000 * \text{AATS1d VE3_Dzm JGT10} + 0.0001 * \text{AATS1d VE3_Dzpe}^2 + 0.0001 \\
& * \text{AATS1d VE3_Dzpe VE3_Dzi} + 0.0001 * \text{AATS1d VE3_Dzpe VE3_D} + 0.0001 * \text{AATS1d VE3_Dzpe} \\
& \text{VE3_Dzv} + 0.0002 * \text{AATS1d VE3_Dzpe GATS1pe} + 0.0000 * \text{AATS1d VE3_Dzpe VE3_Dzp} - 0.0000 * \\
& \text{AATS1d VE3_Dzpe ATSC1pe} + 0.0001 * \text{AATS1d VE3_Dzpe AATS2dv} + 0.0000 * \text{AATS1d VE3_Dzpe} \\
& \text{ETA_shape_p} + 0.0001 * \text{AATS1d VE3_Dzpe VE3_A} + 0.0001 * \text{AATS1d VE3_Dzpe SssS} - 0.0000 * \text{AATS1d} \\
& \text{VE3_Dzpe fMF} + 0.0003 * \text{AATS1d VE3_Dzpe SpAD_Dzv} - 0.0000 * \text{AATS1d VE3_Dzpe n3HRing} - 0.0000 * \\
& \text{AATS1d VE3_Dzpe n3AHRing} - 0.0000 * \text{AATS1d VE3_Dzpe JGT10} + 0.0001 * \text{AATS1d VE3_Dzi}^2 + 0.0000 \\
& * \text{AATS1d VE3_Dzi VE3_D} + 0.0001 * \text{AATS1d VE3_Dzi VE3_Dzv} + 0.0002 * \text{AATS1d VE3_Dzi GATS1pe} + \\
& 0.0000 * \text{AATS1d VE3_Dzi VE3_Dzp} - 0.0000 * \text{AATS1d VE3_Dzi ATSC1pe} - 0.0000 * \text{AATS1d VE3_Dzi} \\
& \text{AATS2dv} + 0.0000 * \text{AATS1d VE3_Dzi ETA_shape_p} + 0.0000 * \text{AATS1d VE3_Dzi VE3_A} + 0.0001 * \text{AATS1d} \\
& \text{VE3_Dzi SssS} - 0.0000 * \text{AATS1d VE3_Dzi fMF} - 0.0001 * \text{AATS1d VE3_Dzi SpAD_Dzv} - 0.0000 * \text{AATS1d} \\
& \text{VE3_Dzi n3HRing} - 0.0000 * \text{AATS1d VE3_Dzi n3AHRing} - 0.0000 * \text{AATS1d VE3_Dzi JGT10} + 0.0000 * \\
& \text{AATS1d VE3_D}^2 + 0.0001 * \text{AATS1d VE3_D VE3_Dzv} + 0.0002 * \text{AATS1d VE3_D GATS1pe} + 0.0000 * \\
& \text{AATS1d VE3_D VE3_Dzp} - 0.0000 * \text{AATS1d VE3_D ATSC1pe} - 0.0000 * \text{AATS1d VE3_D AATS2dv} + 0.0000 \\
& * \text{AATS1d VE3_D ETA_shape_p} + 0.0000 * \text{AATS1d VE3_D VE3_A} + 0.0001 * \text{AATS1d VE3_D SssS} - 0.0000 \\
& * \text{AATS1d VE3_D fMF} + 0.0002 * \text{AATS1d VE3_D SpAD_Dzv} - 0.0000 * \text{AATS1d VE3_D JGT10} + 0.0001 * \\
& \text{AATS1d VE3_Dzv}^2 + 0.0002 * \text{AATS1d VE3_Dzv GATS1pe} + 0.0000 * \text{AATS1d VE3_Dzv VE3_Dzp} - 0.0000 \\
& * \text{AATS1d VE3_Dzv ATSC1pe} - 0.0000 * \text{AATS1d VE3_Dzv AATS2dv} + 0.0000 * \text{AATS1d VE3_Dzv} \\
& \text{ETA_shape_p} + 0.0001 * \text{AATS1d VE3_Dzv VE3_A} + 0.0001 * \text{AATS1d VE3_Dzv SssS} - 0.0000 * \text{AATS1d} \\
& \text{VE3_Dzv fMF} - 0.0001 * \text{AATS1d VE3_Dzv SpAD_Dzv} + 0.0000 * \text{AATS1d VE3_Dzv n3HRing} + 0.0000 * \\
& \text{AATS1d VE3_Dzv n3AHRing} - 0.0000 * \text{AATS1d VE3_Dzv JGT10} + 0.0001 * \text{AATS1d GATS1pe}^2 + 0.0002 * \\
& \text{AATS1d GATS1pe VE3_Dzp} - 0.0000 * \text{AATS1d GATS1pe ATSC1pe} - 0.0001 * \text{AATS1d GATS1pe AATS2dv} + \\
& 0.0002 * \text{AATS1d GATS1pe ETA_shape_p} + 0.0001 * \text{AATS1d GATS1pe VE3_A} + 0.0001 * \text{AATS1d GATS1pe} \\
& \text{SssS} - 0.0002 * \text{AATS1d GATS1pe fMF} - 0.0000 * \text{AATS1d GATS1pe SpAD_Dzv} + 0.0002 * \text{AATS1d GATS1pe} \\
& \text{n3HRing} + 0.0002 * \text{AATS1d GATS1pe n3AHRing} - 0.0000 * \text{AATS1d GATS1pe JGT10} - 0.0000 * \text{AATS1d} \\
& \text{VE3_Dzp}^2 - 0.0001 * \text{AATS1d VE3_Dzp ATSC1pe} - 0.0002 * \text{AATS1d VE3_Dzp AATS2dv} + 0.0000 * \\
& \text{AATS1d VE3_Dzp ETA_shape_p} + 0.0000 * \text{AATS1d VE3_Dzp VE3_A} + 0.0001 * \text{AATS1d VE3_Dzp SssS} - \\
& 0.0000 * \text{AATS1d VE3_Dzp fMF} - 0.0002 * \text{AATS1d VE3_Dzp SpAD_Dzv} + 0.0000 * \text{AATS1d VE3_Dzp} \\
& \text{n3HRing} + 0.0000 * \text{AATS1d VE3_Dzp n3AHRing} - 0.0001 * \text{AATS1d VE3_Dzp JGT10} + 0.0001 * \text{AATS1d} \\
& \text{ATSC1pe}^2 + 0.0003 * \text{AATS1d ATSC1pe AATS2dv} - 0.0001 * \text{AATS1d ATSC1pe ETA_shape_p} - 0.0000 * \\
& \text{AATS1d ATSC1pe VE3_A} - 0.0002 * \text{AATS1d ATSC1pe SssS} - 0.0000 * \text{AATS1d ATSC1pe fMF} - 0.0000 * \\
& \text{AATS1d ATSC1pe n3HRing} - 0.0000 * \text{AATS1d ATSC1pe n3AHRing} - 0.0000 * \text{AATS1d ATSC1pe JGT10} - \\
& 0.0002 * \text{AATS1d AATS2dv}^2 + 0.0001 * \text{AATS1d AATS2dv ETA_shape_p} - 0.0001 * \text{AATS1d AATS2dv} \\
& \text{VE3_A} + 0.0001 * \text{AATS1d AATS2dv SssS} - 0.0003 * \text{AATS1d AATS2dv fMF} - 0.0000 * \text{AATS1d AATS2dv} \\
& \text{SpAD_Dzv} + 0.0000 * \text{AATS1d AATS2dv n3HRing} + 0.0000 * \text{AATS1d AATS2dv n3AHRing} - 0.0003 * \\
& \text{AATS1d AATS2dv JGT10} - 0.0002 * \text{AATS1d ETA_shape_p}^2 + 0.0000 * \text{AATS1d ETA_shape_p VE3_A} + \\
& 0.0001 * \text{AATS1d ETA_shape_p SssS} - 0.0001 * \text{AATS1d ETA_shape_p fMF} + 0.0000 * \text{AATS1d ETA_shape_p}
\end{aligned}$$

$$\begin{aligned}
& \text{SpAD_Dzv} - 0.0000 * \text{AATS1d ETA_shape_p n3HRing} - 0.0000 * \text{AATS1d ETA_shape_p n3AHRing} + 0.0000 * \\
& \text{AATS1d ETA_shape_p JGT10} + 0.0001 * \text{AATS1d VE3_A SssS} + 0.0000 * \text{AATS1d VE3_A fMF} + 0.0000 * \\
& \text{AATS1d VE3_A SpAD_Dzv} + 0.0000 * \text{AATS1d VE3_A n3HRing} + 0.0000 * \text{AATS1d VE3_A n3AHRing} - \\
& 0.0000 * \text{AATS1d VE3_A JGT10} - 0.0000 * \text{AATS1d SssS}^2 - 0.0000 * \text{AATS1d SssS fMF} - 0.0000 * \text{AATS1d} \\
& \text{SssS SpAD_Dzv} + 0.0000 * \text{AATS1d SssS n3HRing} + 0.0000 * \text{AATS1d SssS n3AHRing} + 0.0000 * \text{AATS1d} \\
& \text{SssS JGT10} + 0.0000 * \text{AATS1d fMF}^2 + 0.0000 * \text{AATS1d fMF SpAD_Dzv} + 0.0000 * \text{AATS1d fMF n3HRing} \\
& + 0.0000 * \text{AATS1d fMF n3AHRing} + 0.0000 * \text{AATS1d fMF JGT10} + 0.0000 * \text{AATS1d SpAD_Dzv n3HRing} + \\
& 0.0000 * \text{AATS1d SpAD_Dzv n3AHRing} - 0.0000 * \text{AATS1d SpAD_Dzv JGT10} - 0.0000 * \text{AATS1d n3HRing}^2 - \\
& 0.0000 * \text{AATS1d n3HRing n3AHRing} + 0.0001 * \text{AATS1d n3HRing JGT10} - 0.0000 * \text{AATS1d n3AHRing}^2 + \\
& 0.0001 * \text{AATS1d n3AHRing JGT10} - 0.0001 * \text{AATS1d JGT10}^2 - 0.0000 * \text{SssssGe}^2 \text{CIC1} + 0.0000 * \\
& \text{SssssGe}^2 \text{AATSC2dv} + 0.0000 * \text{SssssGe}^2 \text{AATS0dv} + 0.0000 * \text{SssssGe}^2 \text{NdsN} - 0.0000 * \text{SssssGe}^2 \text{CIC0} - \\
& 0.0000 * \text{SssssGe}^2 \text{VE3_DzZ} - 0.0000 * \text{SssssGe}^2 \text{AATSC1dv} - 0.0000 * \text{SssssGe}^2 \text{VE3_Dzm} - 0.0000 * \\
& \text{SssssGe}^2 \text{VE3_Dzpe} - 0.0000 * \text{SssssGe}^2 \text{VE3_Dzi} - 0.0000 * \text{SssssGe}^2 \text{VE3_D} - 0.0000 * \text{SssssGe}^2 \\
& \text{VE3_Dzv} - 0.0000 * \text{SssssGe}^2 \text{GATS1pe} - 0.0000 * \text{SssssGe}^2 \text{VE3_Dzp} - 0.0000 * \text{SssssGe}^2 \text{ATSC1pe} + \\
& 0.0000 * \text{SssssGe}^2 \text{AATS2dv} - 0.0000 * \text{SssssGe}^2 \text{ETA_shape_p} - 0.0000 * \text{SssssGe}^2 \text{VE3_A} + 0.0000 * \\
& \text{SssssGe}^2 \text{SssS} + 0.0000 * \text{SssssGe}^2 \text{fMF} - 0.0000 * \text{SssssGe}^2 \text{SpAD_Dzv} - 0.0000 * \text{SssssGe}^2 \text{JGT10} - 0.0002 \\
& * \text{SssssGe} \text{CIC1}^2 - 0.0000 * \text{SssssGe} \text{CIC1 AATSC2dv} + 0.0000 * \text{SssssGe} \text{CIC1 AATS0dv} - 0.0000 * \text{SssssGe} \\
& \text{CIC1 NdsN} - 0.0001 * \text{SssssGe} \text{CIC1 CIC0} + 0.0000 * \text{SssssGe} \text{CIC1 VE3_DzZ} + 0.0000 * \text{SssssGe} \text{CIC1} \\
& \text{AATSC1dv} + 0.0000 * \text{SssssGe} \text{CIC1 VE3_Dzm} + 0.0000 * \text{SssssGe} \text{CIC1 VE3_Dzpe} + 0.0000 * \text{SssssGe} \text{CIC1} \\
& \text{VE3_Dzi} + 0.0000 * \text{SssssGe} \text{CIC1 VE3_D} + 0.0000 * \text{SssssGe} \text{CIC1 VE3_Dzv} - 0.0001 * \text{SssssGe} \text{CIC1} \\
& \text{GATS1pe} + 0.0000 * \text{SssssGe} \text{CIC1 VE3_Dzp} + 0.0000 * \text{SssssGe} \text{CIC1 ATSC1pe} - 0.0000 * \text{SssssGe} \text{CIC1} \\
& \text{AATS2dv} + 0.0000 * \text{SssssGe} \text{CIC1 ETA_shape_p} + 0.0000 * \text{SssssGe} \text{CIC1 SssS} - 0.0000 * \text{SssssGe} \text{CIC1 fMF} - \\
& 0.0000 * \text{SssssGe} \text{CIC1 SpAD_Dzv} - 0.0000 * \text{SssssGe} \text{AATSC2dv}^2 - 0.0000 * \text{SssssGe} \text{AATSC2dv AATS0dv} - \\
& 0.0000 * \text{SssssGe} \text{AATSC2dv CIC0} - 0.0000 * \text{SssssGe} \text{AATSC2dv VE3_DzZ} + 0.0000 * \text{SssssGe} \text{AATSC2dv} \\
& \text{AATSC1dv} - 0.0000 * \text{SssssGe} \text{AATSC2dv VE3_Dzm} - 0.0000 * \text{SssssGe} \text{AATSC2dv VE3_Dzpe} - 0.0000 * \\
& \text{SssssGe} \text{AATSC2dv VE3_Dzi} - 0.0000 * \text{SssssGe} \text{AATSC2dv VE3_D} - 0.0000 * \text{SssssGe} \text{AATSC2dv VE3_Dzv} - \\
& 0.0000 * \text{SssssGe} \text{AATSC2dv GATS1pe} - 0.0000 * \text{SssssGe} \text{AATSC2dv VE3_Dzp} + 0.0000 * \text{SssssGe} \text{AATSC2dv} \\
& \text{ATSC1pe} - 0.0000 * \text{SssssGe} \text{AATSC2dv AATS2dv} - 0.0000 * \text{SssssGe} \text{AATSC2dv ETA_shape_p} - 0.0000 * \\
& \text{SssssGe} \text{AATSC2dv VE3_A} - 0.0000 * \text{SssssGe} \text{AATSC2dv SssS} + 0.0001 * \text{SssssGe} \text{AATSC2dv SpAD_Dzv} - \\
& 0.0000 * \text{SssssGe} \text{AATSC2dv JGT10} - 0.0000 * \text{SssssGe} \text{AATS0dv}^2 - 0.0000 * \text{SssssGe} \text{AATS0dv NdsN} + \\
& 0.0000 * \text{SssssGe} \text{AATS0dv CIC0} - 0.0000 * \text{SssssGe} \text{AATS0dv VE3_DzZ} + 0.0000 * \text{SssssGe} \text{AATS0dv} \\
& \text{AATSC1dv} - 0.0000 * \text{SssssGe} \text{AATS0dv VE3_Dzm} - 0.0000 * \text{SssssGe} \text{AATS0dv VE3_Dzv} + 0.0000 * \text{SssssGe} \\
& \text{AATS0dv GATS1pe} - 0.0000 * \text{SssssGe} \text{AATS0dv VE3_Dzp} + 0.0000 * \text{SssssGe} \text{AATS0dv ATSC1pe} - 0.0000 * \\
& \text{SssssGe} \text{AATS0dv AATS2dv} - 0.0000 * \text{SssssGe} \text{AATS0dv ETA_shape_p} - 0.0000 * \text{SssssGe} \text{AATS0dv VE3_A} - \\
& 0.0001 * \text{SssssGe} \text{AATS0dv SssS} - 0.0000 * \text{SssssGe} \text{AATS0dv fMF} + 0.0000 * \text{SssssGe} \text{AATS0dv SpAD_Dzv} - \\
& 0.0000 * \text{SssssGe} \text{AATS0dv JGT10} - 0.0000 * \text{SssssGe} \text{NdsN}^2 - 0.0000 * \text{SssssGe} \text{NdsN CIC0} - 0.0000 * \text{SssssGe} \\
& \text{NdsN VE3_DzZ} - 0.0000 * \text{SssssGe} \text{NdsN AATSC1dv} - 0.0000 * \text{SssssGe} \text{NdsN VE3_Dzm} - 0.0000 * \text{SssssGe} \\
& \text{NdsN VE3_Dzpe} - 0.0000 * \text{SssssGe} \text{NdsN VE3_Dzi} - 0.0000 * \text{SssssGe} \text{NdsN VE3_D} - 0.0000 * \text{SssssGe} \text{NdsN} \\
& \text{VE3_Dzv} - 0.0000 * \text{SssssGe} \text{NdsN GATS1pe} - 0.0000 * \text{SssssGe} \text{NdsN VE3_Dzp} - 0.0000 * \text{SssssGe} \text{NdsN} \\
& \text{AATS2dv} - 0.0000 * \text{SssssGe} \text{NdsN VE3_A} + 0.0000 * \text{SssssGe} \text{NdsN SssS} - 0.0000 * \text{SssssGe} \text{NdsN fMF} + \\
& 0.0000 * \text{SssssGe} \text{NdsN SpAD_Dzv} - 0.0000 * \text{SssssGe} \text{NdsN JGT10} + 0.0001 * \text{SssssGe} \text{CIC0}^2 + 0.0000 * \\
& \text{SssssGe} \text{CIC0 VE3_DzZ} + 0.0000 * \text{SssssGe} \text{CIC0 AATSC1dv} + 0.0000 * \text{SssssGe} \text{CIC0 VE3_Dzm} + 0.0000 * \\
& \text{SssssGe} \text{CIC0 VE3_Dzpe} + 0.0000 * \text{SssssGe} \text{CIC0 VE3_Dzi} + 0.0000 * \text{SssssGe} \text{CIC0 VE3_D} + 0.0000 * \\
& \text{SssssGe} \text{CIC0 VE3_Dzv} + 0.0000 * \text{SssssGe} \text{CIC0 GATS1pe} + 0.0000 * \text{SssssGe} \text{CIC0 VE3_Dzp} + 0.0000 * \\
& \text{SssssGe} \text{CIC0 ATSC1pe} - 0.0000 * \text{SssssGe} \text{CIC0 AATS2dv} + 0.0000 * \text{SssssGe} \text{CIC0 ETA_shape_p} + 0.0000 * \\
& \text{SssssGe} \text{CIC0 VE3_A} + 0.0000 * \text{SssssGe} \text{CIC0 SssS} - 0.0000 * \text{SssssGe} \text{CIC0 fMF} + 0.0000 * \text{SssssGe} \text{CIC0} \\
& \text{SpAD_Dzv} + 0.0000 * \text{SssssGe} \text{CIC0 JGT10} + 0.0000 * \text{SssssGe} \text{VE3_DzZ}^2 + 0.0000 * \text{SssssGe} \text{VE3_DzZ} \\
& \text{AATSC1dv} + 0.0000 * \text{SssssGe} \text{VE3_DzZ VE3_Dzm} + 0.0000 * \text{SssssGe} \text{VE3_DzZ VE3_Dzpe} + 0.0000 * \\
& \text{SssssGe} \text{VE3_DzZ VE3_Dzi} + 0.0000 * \text{SssssGe} \text{VE3_DzZ VE3_D} + 0.0000 * \text{SssssGe} \text{VE3_DzZ VE3_Dzv} + \\
& 0.0000 * \text{SssssGe} \text{VE3_DzZ GATS1pe} + 0.0000 * \text{SssssGe} \text{VE3_DzZ VE3_Dzp} + 0.0000 * \text{SssssGe} \text{VE3_DzZ} \\
& \text{ATSC1pe} - 0.0000 * \text{SssssGe} \text{VE3_DzZ AATS2dv} + 0.0000 * \text{SssssGe} \text{VE3_DzZ ETA_shape_p} + 0.0000 * \\
& \text{SssssGe} \text{VE3_DzZ VE3_A} - 0.0000 * \text{SssssGe} \text{VE3_DzZ SssS} - 0.0000 * \text{SssssGe} \text{VE3_DzZ fMF} + 0.0000 * \\
& \text{SssssGe} \text{VE3_DzZ SpAD_Dzv} + 0.0000 * \text{SssssGe} \text{VE3_DzZ JGT10} - 0.0000 * \text{SssssGe} \text{AATSC1dv}^2 + 0.0000 * \\
& \text{SssssGe} \text{AATSC1dv VE3_Dzm} + 0.0000 * \text{SssssGe} \text{AATSC1dv VE3_Dzpe} + 0.0000 * \text{SssssGe} \text{AATSC1dv} \\
& \text{VE3_Dzi} + 0.0000 * \text{SssssGe} \text{AATSC1dv VE3_D} + 0.0000 * \text{SssssGe} \text{AATSC1dv VE3_Dzv} + 0.0000 * \text{SssssGe} \\
& \text{AATSC1dv GATS1pe} + 0.0000 * \text{SssssGe} \text{AATSC1dv VE3_Dzp} - 0.0000 * \text{SssssGe} \text{AATSC1dv ATSC1pe} + \\
& 0.0000 * \text{SssssGe} \text{AATSC1dv AATS2dv} + 0.0000 * \text{SssssGe} \text{AATSC1dv ETA_shape_p} + 0.0000 * \text{SssssGe} \\
& \text{AATSC1dv VE3_A} - 0.0000 * \text{SssssGe} \text{AATSC1dv SssS} - 0.0001 * \text{SssssGe} \text{AATSC1dv SpAD_Dzv} + 0.0000 * \\
& \text{SssssGe} \text{AATSC1dv JGT10} + 0.0000 * \text{SssssGe} \text{VE3_Dzm}^2 + 0.0000 * \text{SssssGe} \text{VE3_Dzm VE3_Dzpe} + 0.0000 * \\
& \text{SssssGe} \text{VE3_Dzm VE3_Dzi} + 0.0000 * \text{SssssGe} \text{VE3_Dzm VE3_D} + 0.0000 * \text{SssssGe} \text{VE3_Dzm VE3_Dzv} + \\
& 0.0000 * \text{SssssGe} \text{VE3_Dzm GATS1pe} + 0.0000 * \text{SssssGe} \text{VE3_Dzm VE3_Dzp} + 0.0000 * \text{SssssGe} \text{VE3_Dzm} \\
& \text{ATSC1pe} - 0.0000 * \text{SssssGe} \text{VE3_Dzm AATS2dv} + 0.0000 * \text{SssssGe} \text{VE3_Dzm ETA_shape_p} + 0.0000 *
\end{aligned}$$

$$\begin{aligned}
& \text{SssssGe VE3_Dzm VE3_A} - 0.0000 * \text{SssssGe VE3_Dzm SssS} - 0.0000 * \text{SssssGe VE3_Dzm fMF} + 0.0000 * \\
& \text{SssssGe VE3_Dzm SpAD_Dzv} + 0.0000 * \text{SssssGe VE3_Dzm JGT10} + 0.0000 * \text{SssssGe VE3_Dzpe}^2 + 0.0000 * \\
& \text{SssssGe VE3_Dzpe VE3_Dzi} + 0.0000 * \text{SssssGe VE3_Dzpe VE3_D} + 0.0000 * \text{SssssGe VE3_Dzpe VE3_Dzv} + \\
& 0.0000 * \text{SssssGe VE3_Dzpe GATS1pe} + 0.0000 * \text{SssssGe VE3_Dzpe VE3_Dzp} + 0.0000 * \text{SssssGe VE3_Dzpe} \\
& \text{ATSC1pe} - 0.0000 * \text{SssssGe VE3_Dzpe AATS2dv} + 0.0000 * \text{SssssGe VE3_Dzpe ETA_shape_p} + 0.0000 * \\
& \text{SssssGe VE3_Dzpe VE3_A} - 0.0000 * \text{SssssGe VE3_Dzpe SssS} - 0.0000 * \text{SssssGe VE3_Dzpe fMF} - 0.0000 * \\
& \text{SssssGe VE3_Dzpe SpAD_Dzv} + 0.0000 * \text{SssssGe VE3_Dzpe JGT10} + 0.0000 * \text{SssssGe VE3_Dzi}^2 + 0.0000 * \\
& \text{SssssGe VE3_Dzi VE3_D} + 0.0000 * \text{SssssGe VE3_Dzi VE3_Dzv} + 0.0000 * \text{SssssGe VE3_Dzi GATS1pe} + \\
& 0.0000 * \text{SssssGe VE3_Dzi VE3_Dzp} + 0.0000 * \text{SssssGe VE3_Dzi ATSC1pe} - 0.0000 * \text{SssssGe VE3_Dzi} \\
& \text{AATS2dv} + 0.0000 * \text{SssssGe VE3_Dzi ETA_shape_p} + 0.0000 * \text{SssssGe VE3_Dzi VE3_A} - 0.0000 * \text{SssssGe} \\
& \text{VE3_Dzi SssS} - 0.0000 * \text{SssssGe VE3_Dzi fMF} - 0.0000 * \text{SssssGe VE3_Dzi SpAD_Dzv} + 0.0000 * \text{SssssGe} \\
& \text{VE3_Dzi JGT10} + 0.0000 * \text{SssssGe VE3_D}^2 + 0.0000 * \text{SssssGe VE3_D VE3_Dzv} + 0.0000 * \text{SssssGe VE3_D} \\
& \text{GATS1pe} + 0.0000 * \text{SssssGe VE3_D VE3_Dzp} + 0.0000 * \text{SssssGe VE3_D ATSC1pe} - 0.0000 * \text{SssssGe VE3_D} \\
& \text{AATS2dv} + 0.0000 * \text{SssssGe VE3_D ETA_shape_p} + 0.0000 * \text{SssssGe VE3_D VE3_A} - 0.0000 * \text{SssssGe} \\
& \text{VE3_D SssS} - 0.0000 * \text{SssssGe VE3_D fMF} - 0.0000 * \text{SssssGe VE3_D SpAD_Dzv} + 0.0000 * \text{SssssGe VE3_D} \\
& \text{JGT10} + 0.0000 * \text{SssssGe VE3_Dzv}^2 + 0.0000 * \text{SssssGe VE3_Dzv GATS1pe} + 0.0000 * \text{SssssGe VE3_Dzv} \\
& \text{VE3_Dzp} + 0.0000 * \text{SssssGe VE3_Dzv ATSC1pe} - 0.0000 * \text{SssssGe VE3_Dzv AATS2dv} + 0.0000 * \text{SssssGe} \\
& \text{VE3_Dzv ETA_shape_p} + 0.0000 * \text{SssssGe VE3_Dzv VE3_A} - 0.0000 * \text{SssssGe VE3_Dzv SssS} - 0.0000 * \\
& \text{SssssGe VE3_Dzv fMF} + 0.0000 * \text{SssssGe VE3_Dzv SpAD_Dzv} + 0.0000 * \text{SssssGe VE3_Dzv JGT10} + 0.0000 * \\
& \text{SssssGe GATS1pe}^2 + 0.0000 * \text{SssssGe GATS1pe VE3_Dzp} + 0.0000 * \text{SssssGe GATS1pe ATSC1pe} - 0.0000 * \\
& \text{SssssGe GATS1pe AATS2dv} + 0.0000 * \text{SssssGe GATS1pe ETA_shape_p} + 0.0000 * \text{SssssGe GATS1pe VE3_A} \\
& + 0.0000 * \text{SssssGe GATS1pe SssS} - 0.0000 * \text{SssssGe GATS1pe fMF} - 0.0001 * \text{SssssGe GATS1pe SpAD_Dzv} + \\
& 0.0000 * \text{SssssGe GATS1pe JGT10} + 0.0000 * \text{SssssGe VE3_Dzp}^2 + 0.0000 * \text{SssssGe VE3_Dzp ATSC1pe} - \\
& 0.0000 * \text{SssssGe VE3_Dzp AATS2dv} + 0.0000 * \text{SssssGe VE3_Dzp ETA_shape_p} + 0.0000 * \text{SssssGe VE3_Dzp} \\
& \text{VE3_A} - 0.0000 * \text{SssssGe VE3_Dzp SssS} - 0.0000 * \text{SssssGe VE3_Dzp fMF} + 0.0000 * \text{SssssGe VE3_Dzp} \\
& \text{SpAD_Dzv} + 0.0000 * \text{SssssGe VE3_Dzp JGT10} - 0.0000 * \text{SssssGe ATSC1pe}^2 + 0.0000 * \text{SssssGe ATSC1pe} \\
& \text{AATS2dv} + 0.0000 * \text{SssssGe ATSC1pe VE3_A} + 0.0000 * \text{SssssGe ATSC1pe SssS} + 0.0000 * \text{SssssGe ATSC1pe} \\
& \text{fMF} - 0.0000 * \text{SssssGe ATSC1pe SpAD_Dzv} + 0.0000 * \text{SssssGe ATSC1pe JGT10} - 0.0000 * \text{SssssGe} \\
& \text{AATS2dv}^2 - 0.0000 * \text{SssssGe AATS2dv ETA_shape_p} - 0.0000 * \text{SssssGe AATS2dv VE3_A} - 0.0000 * \text{SssssGe} \\
& \text{AATS2dv SssS} - 0.0000 * \text{SssssGe AATS2dv fMF} - 0.0000 * \text{SssssGe AATS2dv SpAD_Dzv} - 0.0000 * \text{SssssGe} \\
& \text{AATS2dv JGT10} + 0.0000 * \text{SssssGe ETA_shape_p}^2 + 0.0000 * \text{SssssGe ETA_shape_p VE3_A} - 0.0000 * \\
& \text{SssssGe ETA_shape_p fMF} + 0.0001 * \text{SssssGe ETA_shape_p SpAD_Dzv} + 0.0000 * \text{SssssGe ETA_shape_p} \\
& \text{JGT10} + 0.0000 * \text{SssssGe VE3_A}^2 - 0.0000 * \text{SssssGe VE3_A SssS} - 0.0000 * \text{SssssGe VE3_A fMF} + 0.0000 * \\
& \text{SssssGe VE3_A SpAD_Dzv} + 0.0000 * \text{SssssGe VE3_A JGT10} + 0.0001 * \text{SssssGe SssS}^2 - 0.0000 * \text{SssssGe} \\
& \text{SssS fMF} - 0.0000 * \text{SssssGe SssS JGT10} - 0.0000 * \text{SssssGe fMF SpAD_Dzv} - 0.0000 * \text{SssssGe fMF JGT10} - \\
& 0.0001 * \text{SssssGe SpAD_Dzv JGT10} + 0.0000 * \text{SssssGe JGT10}^2 + 0.0000 * \text{CIC1}^3 - 0.0000 * \text{CIC1}^2 \\
& \text{AATSC2dv} - 0.0001 * \text{CIC1}^2 \text{AATS0dv} + 0.0002 * \text{CIC1}^2 \text{NdsN} + 0.0001 * \text{CIC1}^2 \text{CIC0} + 0.0000 * \text{CIC1}^2 \\
& \text{VE3_DzZ} + 0.0003 * \text{CIC1}^2 \text{AATSC1dv} + 0.0000 * \text{CIC1}^2 \text{VE3_Dzm} - 0.0000 * \text{CIC1}^2 \text{VE3_Dzpe} - 0.0001 * \\
& \text{CIC1}^2 \text{VE3_Dzi} - 0.0000 * \text{CIC1}^2 \text{VE3_D} - 0.0001 * \text{CIC1}^2 \text{VE3_Dzv} - 0.0002 * \text{CIC1}^2 \text{GATS1pe} - 0.0001 * \\
& \text{CIC1}^2 \text{VE3_Dzp} + 0.0002 * \text{CIC1}^2 \text{ATSC1pe} + 0.0002 * \text{CIC1}^2 \text{AATS2dv} - 0.0001 * \text{CIC1}^2 \text{ETA_shape_p} + \\
& 0.0002 * \text{CIC1}^2 \text{VE3_A} - 0.0000 * \text{CIC1}^2 \text{SssS} + 0.0003 * \text{CIC1}^2 \text{fMF} - 0.0000 * \text{CIC1}^2 \text{n3HRing} - 0.0000 * \\
& \text{CIC1}^2 \text{n3AHRing} - 0.0001 * \text{CIC1}^2 \text{JGT10} + 0.0001 * \text{CIC1} \text{AATSC2dv}^2 - 0.0001 * \text{CIC1} \text{AATSC2dv} \\
& \text{AATS0dv} - 0.0000 * \text{CIC1} \text{AATSC2dv} \text{NdsN} + 0.0001 * \text{CIC1} \text{AATSC2dv} \text{CIC0} + 0.0000 * \text{CIC1} \text{AATSC2dv} \\
& \text{VE3_DzZ} + 0.0001 * \text{CIC1} \text{AATSC2dv} \text{AATSC1dv} + 0.0000 * \text{CIC1} \text{AATSC2dv} \text{VE3_Dzm} - 0.0000 * \text{CIC1} \\
& \text{AATSC2dv} \text{VE3_Dzpe} - 0.0000 * \text{CIC1} \text{AATSC2dv} \text{VE3_Dzi} - 0.0000 * \text{CIC1} \text{AATSC2dv} \text{VE3_D} - 0.0000 * \\
& \text{CIC1} \text{AATSC2dv} \text{VE3_Dzv} - 0.0002 * \text{CIC1} \text{AATSC2dv} \text{GATS1pe} - 0.0001 * \text{CIC1} \text{AATSC2dv} \text{VE3_Dzp} + \\
& 0.0001 * \text{CIC1} \text{AATSC2dv} \text{ATSC1pe} + 0.0002 * \text{CIC1} \text{AATSC2dv} \text{AATS2dv} + 0.0002 * \text{CIC1} \text{AATSC2dv} \\
& \text{ETA_shape_p} - 0.0001 * \text{CIC1} \text{AATSC2dv} \text{VE3_A} - 0.0000 * \text{CIC1} \text{AATSC2dv} \text{SssS} - 0.0000 * \text{CIC1} \text{AATSC2dv} \\
& \text{fMF} + 0.0000 * \text{CIC1} \text{AATSC2dv} \text{SpAD_Dzv} + 0.0002 * \text{CIC1} \text{AATSC2dv} \text{n3HRing} + 0.0002 * \text{CIC1} \text{AATSC2dv} \\
& \text{n3AHRing} - 0.0002 * \text{CIC1} \text{AATSC2dv} \text{JGT10} + 0.0000 * \text{CIC1} \text{AATS0dv}^2 + 0.0002 * \text{CIC1} \text{AATS0dv} \text{NdsN} + \\
& 0.0001 * \text{CIC1} \text{AATS0dv} \text{CIC0} + 0.0000 * \text{CIC1} \text{AATS0dv} \text{VE3_DzZ} - 0.0000 * \text{CIC1} \text{AATS0dv} \text{AATSC1dv} + \\
& 0.0000 * \text{CIC1} \text{AATS0dv} \text{VE3_Dzm} + 0.0000 * \text{CIC1} \text{AATS0dv} \text{VE3_Dzpe} - 0.0000 * \text{CIC1} \text{AATS0dv} \text{VE3_Dzi} \\
& + 0.0000 * \text{CIC1} \text{AATS0dv} \text{VE3_D} - 0.0001 * \text{CIC1} \text{AATS0dv} \text{VE3_Dzv} + 0.0004 * \text{CIC1} \text{AATS0dv} \text{GATS1pe} - \\
& 0.0002 * \text{CIC1} \text{AATS0dv} \text{VE3_Dzp} + 0.0002 * \text{CIC1} \text{AATS0dv} \text{ATSC1pe} + 0.0001 * \text{CIC1} \text{AATS0dv} \text{AATS2dv} - \\
& 0.0002 * \text{CIC1} \text{AATS0dv} \text{ETA_shape_p} - 0.0000 * \text{CIC1} \text{AATS0dv} \text{VE3_A} - 0.0001 * \text{CIC1} \text{AATS0dv} \text{SssS} + \\
& 0.0002 * \text{CIC1} \text{AATS0dv} \text{fMF} + 0.0000 * \text{CIC1} \text{AATS0dv} \text{SpAD_Dzv} + 0.0001 * \text{CIC1} \text{AATS0dv} \text{n3HRing} + \\
& 0.0001 * \text{CIC1} \text{AATS0dv} \text{n3AHRing} + 0.0000 * \text{CIC1} \text{AATS0dv} \text{JGT10} + 0.0000 * \text{CIC1} \text{NdsN}^2 + 0.0000 * \text{CIC1} \\
& \text{NdsN} \text{CIC0} - 0.0001 * \text{CIC1} \text{NdsN} \text{VE3_DzZ} - 0.0002 * \text{CIC1} \text{NdsN} \text{AATSC1dv} - 0.0001 * \text{CIC1} \text{NdsN} \text{VE3_Dzm} \\
& - 0.0001 * \text{CIC1} \text{NdsN} \text{VE3_Dzpe} - 0.0001 * \text{CIC1} \text{NdsN} \text{VE3_Dzi} - 0.0001 * \text{CIC1} \text{NdsN} \text{VE3_D} - 0.0001 * \text{CIC1} \\
& \text{NdsN} \text{VE3_Dzv} - 0.0001 * \text{CIC1} \text{NdsN} \text{GATS1pe} - 0.0001 * \text{CIC1} \text{NdsN} \text{VE3_Dzp} - 0.0001 * \text{CIC1} \text{NdsN} \\
& \text{ATSC1pe} - 0.0001 * \text{CIC1} \text{NdsN} \text{AATS2dv} + 0.0001 * \text{CIC1} \text{NdsN} \text{ETA_shape_p} - 0.0001 * \text{CIC1} \text{NdsN} \text{VE3_A} + \\
& 0.0000 * \text{CIC1} \text{NdsN} \text{SssS} - 0.0001 * \text{CIC1} \text{NdsN} \text{fMF} - 0.0001 * \text{CIC1} \text{NdsN} \text{n3HRing} - 0.0001 * \text{CIC1} \text{NdsN}
\end{aligned}$$

$n3AHRing + 0.0000 * CIC1\ NdsN\ JGT10 + 0.0003 * CIC1\ CIC0^2 - 0.0001 * CIC1\ CIC0\ VE3_DzZ + 0.0000 * CIC1\ CIC0\ AATSC1dv - 0.0000 * CIC1\ CIC0\ VE3_Dzm - 0.0001 * CIC1\ CIC0\ VE3_Dzpe - 0.0001 * CIC1\ CIC0\ VE3_Dzi - 0.0001 * CIC1\ CIC0\ VE3_D - 0.0001 * CIC1\ CIC0\ VE3_Dzv + 0.0000 * CIC1\ CIC0\ GATS1pe - 0.0001 * CIC1\ CIC0\ VE3_Dzp - 0.0002 * CIC1\ CIC0\ ATSC1pe - 0.0001 * CIC1\ CIC0\ AATS2dv + 0.0000 * CIC1\ CIC0\ ETA_shape_p + 0.0000 * CIC1\ CIC0\ VE3_A + 0.0001 * CIC1\ CIC0\ SssS + 0.0001 * CIC1\ CIC0\ fMF + 0.0000 * CIC1\ CIC0\ SpAD_Dzv - 0.0000 * CIC1\ CIC0\ n3HRing - 0.0000 * CIC1\ CIC0\ n3AHRing + 0.0000 * CIC1\ CIC0\ JGT10 - 0.0000 * CIC1\ VE3_DzZ^2 - 0.0001 * CIC1\ VE3_DzZ\ AATSC1dv - 0.0000 * CIC1\ VE3_DzZ\ VE3_Dzm + 0.0000 * CIC1\ VE3_DzZ\ VE3_Dzpe + 0.0000 * CIC1\ VE3_DzZ\ VE3_Dzi + 0.0000 * CIC1\ VE3_DzZ\ VE3_D + 0.0000 * CIC1\ VE3_DzZ\ VE3_Dzv + 0.0001 * CIC1\ VE3_DzZ\ GATS1pe - 0.0000 * CIC1\ VE3_DzZ\ VE3_Dzp - 0.0001 * CIC1\ VE3_DzZ\ ATSC1pe + 0.0000 * CIC1\ VE3_DzZ\ AATS2dv + 0.0001 * CIC1\ VE3_DzZ\ ETA_shape_p + 0.0000 * CIC1\ VE3_DzZ\ VE3_A - 0.0000 * CIC1\ VE3_DzZ\ SssS - 0.0001 * CIC1\ VE3_DzZ\ fMF + 0.0001 * CIC1\ VE3_DzZ\ SpAD_Dzv - 0.0000 * CIC1\ VE3_DzZ\ n3HRing - 0.0000 * CIC1\ VE3_DzZ\ n3AHRing + 0.0001 * CIC1\ VE3_DzZ\ JGT10 + 0.0004 * CIC1\ AATSC1dv^2 - 0.0001 * CIC1\ AATSC1dv\ VE3_Dzm - 0.0000 * CIC1\ AATSC1dv\ VE3_Dzpe - 0.0001 * CIC1\ AATSC1dv\ VE3_Dzi - 0.0000 * CIC1\ AATSC1dv\ VE3_D - 0.0000 * CIC1\ AATSC1dv\ VE3_Dzv + 0.0000 * CIC1\ AATSC1dv\ GATS1pe - 0.0000 * CIC1\ AATSC1dv\ VE3_Dzp - 0.0003 * CIC1\ AATSC1dv\ ATSC1pe + 0.0002 * CIC1\ AATSC1dv\ AATS2dv - 0.0003 * CIC1\ AATSC1dv\ ETA_shape_p - 0.0001 * CIC1\ AATSC1dv\ VE3_A + 0.0002 * CIC1\ AATSC1dv\ SssS - 0.0001 * CIC1\ AATSC1dv\ fMF - 0.0000 * CIC1\ AATSC1dv\ SpAD_Dzv + 0.0001 * CIC1\ AATSC1dv\ n3HRing + 0.0001 * CIC1\ AATSC1dv\ n3AHRing - 0.0001 * CIC1\ AATSC1dv\ JGT10 - 0.0000 * CIC1\ VE3_Dzm^2 + 0.0000 * CIC1\ VE3_Dzm\ VE3_Dzpe + 0.0000 * CIC1\ VE3_Dzm\ VE3_Dzi + 0.0000 * CIC1\ VE3_Dzm\ VE3_D + 0.0000 * CIC1\ VE3_Dzm\ VE3_Dzv + 0.0002 * CIC1\ VE3_Dzm\ GATS1pe - 0.0000 * CIC1\ VE3_Dzm\ VE3_Dzp - 0.0001 * CIC1\ VE3_Dzm\ ATSC1pe + 0.0001 * CIC1\ VE3_Dzm\ AATS2dv + 0.0001 * CIC1\ VE3_Dzm\ ETA_shape_p + 0.0000 * CIC1\ VE3_Dzm\ VE3_A - 0.0000 * CIC1\ VE3_Dzm\ SssS - 0.0001 * CIC1\ VE3_Dzm\ fMF + 0.0001 * CIC1\ VE3_Dzm\ SpAD_Dzv - 0.0000 * CIC1\ VE3_Dzm\ n3HRing - 0.0000 * CIC1\ VE3_Dzm\ n3AHRing + 0.0001 * CIC1\ VE3_Dzm\ JGT10 + 0.0001 * CIC1\ VE3_Dzpe^2 + 0.0000 * CIC1\ VE3_Dzpe\ VE3_Dzi + 0.0000 * CIC1\ VE3_Dzpe\ VE3_D + 0.0000 * CIC1\ VE3_Dzpe\ VE3_Dzv + 0.0001 * CIC1\ VE3_Dzpe\ GATS1pe + 0.0000 * CIC1\ VE3_Dzpe\ VE3_Dzp - 0.0000 * CIC1\ VE3_Dzpe\ ATSC1pe + 0.0001 * CIC1\ VE3_Dzpe\ AATS2dv + 0.0001 * CIC1\ VE3_Dzpe\ ETA_shape_p + 0.0000 * CIC1\ VE3_Dzpe\ VE3_A - 0.0000 * CIC1\ VE3_Dzpe\ SssS - 0.0001 * CIC1\ VE3_Dzpe\ fMF + 0.0001 * CIC1\ VE3_Dzpe\ SpAD_Dzv - 0.0000 * CIC1\ VE3_Dzpe\ n3HRing - 0.0000 * CIC1\ VE3_Dzpe\ n3AHRing + 0.0001 * CIC1\ VE3_Dzpe\ JGT10 + 0.0000 * CIC1\ VE3_Dzi^2 + 0.0000 * CIC1\ VE3_Dzi\ VE3_D + 0.0000 * CIC1\ VE3_Dzi\ VE3_Dzv + 0.0001 * CIC1\ VE3_Dzi\ GATS1pe + 0.0000 * CIC1\ VE3_Dzi\ VE3_Dzp - 0.0000 * CIC1\ VE3_Dzi\ ATSC1pe + 0.0000 * CIC1\ VE3_Dzi\ AATS2dv + 0.0001 * CIC1\ VE3_Dzi\ ETA_shape_p + 0.0000 * CIC1\ VE3_Dzi\ VE3_A - 0.0000 * CIC1\ VE3_Dzi\ SssS - 0.0001 * CIC1\ VE3_Dzi\ fMF - 0.0001 * CIC1\ VE3_Dzi\ SpAD_Dzv - 0.0000 * CIC1\ VE3_Dzi\ n3HRing - 0.0000 * CIC1\ VE3_Dzi\ n3AHRing + 0.0001 * CIC1\ VE3_Dzi\ JGT10 + 0.0000 * CIC1\ VE3_D^2 + 0.0000 * CIC1\ VE3_D\ VE3_Dzv + 0.0001 * CIC1\ VE3_D\ GATS1pe + 0.0000 * CIC1\ VE3_D\ VE3_Dzp - 0.0000 * CIC1\ VE3_D\ ATSC1pe + 0.0001 * CIC1\ VE3_D\ AATS2dv + 0.0001 * CIC1\ VE3_D\ ETA_shape_p + 0.0000 * CIC1\ VE3_D\ VE3_A - 0.0000 * CIC1\ VE3_D\ SssS - 0.0001 * CIC1\ VE3_D\ fMF - 0.0001 * CIC1\ VE3_D\ SpAD_Dzv - 0.0000 * CIC1\ VE3_D\ n3HRing - 0.0000 * CIC1\ VE3_D\ n3AHRing + 0.0001 * CIC1\ VE3_D\ JGT10 + 0.0000 * CIC1\ VE3_Dzv^2 + 0.0001 * CIC1\ VE3_Dzv\ GATS1pe - 0.0000 * CIC1\ VE3_Dzv\ ATSC1pe - 0.0000 * CIC1\ VE3_Dzv\ AATS2dv + 0.0001 * CIC1\ VE3_Dzv\ ETA_shape_p + 0.0000 * CIC1\ VE3_Dzv\ VE3_A - 0.0001 * CIC1\ VE3_Dzv\ SssS - 0.0001 * CIC1\ VE3_Dzv\ fMF - 0.0000 * CIC1\ VE3_Dzv\ SpAD_Dzv - 0.0000 * CIC1\ VE3_Dzv\ n3HRing - 0.0000 * CIC1\ VE3_Dzv\ n3AHRing + 0.0001 * CIC1\ VE3_Dzv\ JGT10 + 0.0000 * CIC1\ GATS1pe^2 + 0.0001 * CIC1\ GATS1pe\ VE3_Dzp - 0.0004 * CIC1\ GATS1pe\ ATSC1pe - 0.0002 * CIC1\ GATS1pe\ AATS2dv + 0.0001 * CIC1\ GATS1pe\ ETA_shape_p + 0.0002 * CIC1\ GATS1pe\ VE3_A + 0.0000 * CIC1\ GATS1pe\ SssS - 0.0001 * CIC1\ GATS1pe\ fMF - 0.0000 * CIC1\ GATS1pe\ SpAD_Dzv + 0.0000 * CIC1\ GATS1pe\ n3HRing + 0.0000 * CIC1\ GATS1pe\ n3AHRing - 0.0001 * CIC1\ GATS1pe\ JGT10 - 0.0000 * CIC1\ VE3_Dzp^2 - 0.0000 * CIC1\ VE3_Dzp\ ATSC1pe - 0.0001 * CIC1\ VE3_Dzp\ AATS2dv + 0.0001 * CIC1\ VE3_Dzp\ ETA_shape_p - 0.0000 * CIC1\ VE3_Dzp\ VE3_A - 0.0000 * CIC1\ VE3_Dzp\ SssS - 0.0001 * CIC1\ VE3_Dzp\ fMF - 0.0000 * CIC1\ VE3_Dzp\ SpAD_Dzv - 0.0000 * CIC1\ VE3_Dzp\ n3HRing - 0.0000 * CIC1\ VE3_Dzp\ n3AHRing + 0.0000 * CIC1\ VE3_Dzp\ JGT10 - 0.0000 * CIC1\ ATSC1pe^2 - 0.0004 * CIC1\ ATSC1pe\ AATS2dv - 0.0001 * CIC1\ ATSC1pe\ ETA_shape_p - 0.0000 * CIC1\ ATSC1pe\ VE3_A - 0.0000 * CIC1\ ATSC1pe\ SssS - 0.0001 * CIC1\ ATSC1pe\ fMF - 0.0000 * CIC1\ ATSC1pe\ SpAD_Dzv + 0.0001 * CIC1\ ATSC1pe\ n3HRing + 0.0001 * CIC1\ ATSC1pe\ n3AHRing + 0.0002 * CIC1\ ATSC1pe\ JGT10 - 0.0001 * CIC1\ AATS2dv^2 + 0.0001 * CIC1\ AATS2dv\ ETA_shape_p - 0.0001 * CIC1\ AATS2dv\ VE3_A + 0.0002 * CIC1\ AATS2dv\ SssS - 0.0000 * CIC1\ AATS2dv\ fMF - 0.0000 * CIC1\ AATS2dv\ SpAD_Dzv + 0.0001 * CIC1\ AATS2dv\ n3HRing + 0.0001 * CIC1\ AATS2dv\ n3AHRing - 0.0002 * CIC1\ AATS2dv\ JGT10 - 0.0002 * CIC1\ ETA_shape_p^2 + 0.0001 * CIC1\ ETA_shape_p\ VE3_A + 0.0002 * CIC1\ ETA_shape_p\ SssS + 0.0000 * CIC1\ ETA_shape_p\ fMF - 0.0000 * CIC1\ ETA_shape_p\ SpAD_Dzv - 0.0000 * CIC1\ ETA_shape_p\ n3HRing - 0.0000 * CIC1\ ETA_shape_p\ n3AHRing - 0.0001 * CIC1\ ETA_shape_p\ JGT10 - 0.0000 * CIC1\ VE3_A^2 + 0.0001 * CIC1\ VE3_A\ SssS - 0.0001 * CIC1\ VE3_A\ fMF - 0.0000 * CIC1\ VE3_A\ SpAD_Dzv - 0.0000 * CIC1\ VE3_A\ n3HRing - 0.0000 * CIC1\ VE3_A\ n3AHRing + 0.0000 * CIC1\ VE3_A\ JGT10 - 0.0000 * CIC1\ SssS^2 + 0.0000 * CIC1\ SssS\ fMF + 0.0001 * CIC1\ SssS\ n3HRing + 0.0001 * CIC1\ SssS$

0.0001 * AATSC2dv VE3_Dzi GATS1pe - 0.0000 * AATSC2dv VE3_Dzi VE3_Dzp - 0.0001 * AATSC2dv
 VE3_Dzi ATSC1pe - 0.0002 * AATSC2dv VE3_Dzi AATS2dv + 0.0001 * AATSC2dv VE3_Dzi ETA_shape_p -
 0.0000 * AATSC2dv VE3_Dzi VE3_A - 0.0000 * AATSC2dv VE3_Dzi SssS + 0.0002 * AATSC2dv VE3_Dzi
 fMF - 0.0004 * AATSC2dv VE3_Dzi SpAD_Dzv - 0.0001 * AATSC2dv VE3_Dzi n3HRing - 0.0001 * AATSC2dv
 VE3_Dzi n3AHRing - 0.0001 * AATSC2dv VE3_Dzi JGT10 - 0.0000 * AATSC2dv VE3_D^2 - 0.0000 *
 AATSC2dv VE3_D VE3_Dzv + 0.0001 * AATSC2dv VE3_D GATS1pe - 0.0000 * AATSC2dv VE3_D VE3_Dzp
 - 0.0001 * AATSC2dv VE3_D ATSC1pe - 0.0002 * AATSC2dv VE3_D AATS2dv + 0.0001 * AATSC2dv VE3_D
 ETA_shape_p - 0.0000 * AATSC2dv VE3_D VE3_A - 0.0000 * AATSC2dv VE3_D SssS + 0.0002 * AATSC2dv
 VE3_D fMF + 0.0001 * AATSC2dv VE3_D SpAD_Dzv - 0.0001 * AATSC2dv VE3_D n3HRing - 0.0001 *
 AATSC2dv VE3_D n3AHRing - 0.0001 * AATSC2dv VE3_D JGT10 + 0.0000 * AATSC2dv VE3_Dzv^2 +
 0.0001 * AATSC2dv VE3_Dzv GATS1pe + 0.0000 * AATSC2dv VE3_Dzv VE3_Dzp - 0.0001 * AATSC2dv
 VE3_Dzv ATSC1pe - 0.0001 * AATSC2dv VE3_Dzv AATS2dv + 0.0001 * AATSC2dv VE3_Dzv ETA_shape_p -
 0.0000 * AATSC2dv VE3_Dzv VE3_A - 0.0000 * AATSC2dv VE3_Dzv SssS + 0.0002 * AATSC2dv VE3_Dzv
 fMF + 0.0003 * AATSC2dv VE3_Dzv SpAD_Dzv - 0.0001 * AATSC2dv VE3_Dzv n3HRing - 0.0001 *
 AATSC2dv VE3_Dzv n3AHRing - 0.0001 * AATSC2dv VE3_Dzv JGT10 - 0.0001 * AATSC2dv GATS1pe^2 +
 0.0001 * AATSC2dv GATS1pe VE3_Dzp + 0.0000 * AATSC2dv GATS1pe ATSC1pe + 0.0006 * AATSC2dv
 GATS1pe AATS2dv + 0.0000 * AATSC2dv GATS1pe ETA_shape_p + 0.0000 * AATSC2dv GATS1pe VE3_A +
 0.0001 * AATSC2dv GATS1pe SssS + 0.0001 * AATSC2dv GATS1pe fMF - 0.0000 * AATSC2dv GATS1pe
 SpAD_Dzv + 0.0001 * AATSC2dv GATS1pe n3HRing + 0.0001 * AATSC2dv GATS1pe n3AHRing - 0.0000 *
 AATSC2dv GATS1pe JGT10 + 0.0000 * AATSC2dv VE3_Dzp^2 - 0.0001 * AATSC2dv VE3_Dzp ATSC1pe -
 0.0000 * AATSC2dv VE3_Dzp AATS2dv + 0.0001 * AATSC2dv VE3_Dzp ETA_shape_p - 0.0000 * AATSC2dv
 VE3_Dzp VE3_A - 0.0000 * AATSC2dv VE3_Dzp SssS + 0.0002 * AATSC2dv VE3_Dzp fMF - 0.0001 *
 AATSC2dv VE3_Dzp SpAD_Dzv - 0.0001 * AATSC2dv VE3_Dzp n3HRing - 0.0001 * AATSC2dv VE3_Dzp
 n3AHRing - 0.0001 * AATSC2dv VE3_Dzp JGT10 - 0.0002 * AATSC2dv ATSC1pe^2 + 0.0001 * AATSC2dv
 ATSC1pe AATS2dv + 0.0002 * AATSC2dv ATSC1pe ETA_shape_p - 0.0001 * AATSC2dv ATSC1pe VE3_A -
 0.0003 * AATSC2dv ATSC1pe SssS + 0.0000 * AATSC2dv ATSC1pe fMF - 0.0000 * AATSC2dv ATSC1pe
 SpAD_Dzv - 0.0001 * AATSC2dv ATSC1pe n3HRing - 0.0001 * AATSC2dv ATSC1pe n3AHRing - 0.0001 *
 AATSC2dv ATSC1pe JGT10 + 0.0002 * AATSC2dv AATS2dv^2 + 0.0001 * AATSC2dv AATS2dv
 ETA_shape_p + 0.0001 * AATSC2dv AATS2dv VE3_A - 0.0000 * AATSC2dv AATS2dv SssS + 0.0000 *
 AATSC2dv AATS2dv fMF + 0.0000 * AATSC2dv AATS2dv SpAD_Dzv - 0.0000 * AATSC2dv AATS2dv
 n3HRing - 0.0000 * AATSC2dv AATS2dv n3AHRing + 0.0001 * AATSC2dv AATS2dv JGT10 - 0.0000 *
 AATSC2dv ETA_shape_p^2 + 0.0001 * AATSC2dv ETA_shape_p VE3_A - 0.0001 * AATSC2dv ETA_shape_p
 SssS - 0.0000 * AATSC2dv ETA_shape_p fMF - 0.0000 * AATSC2dv ETA_shape_p SpAD_Dzv + 0.0000 *
 AATSC2dv ETA_shape_p n3HRing + 0.0000 * AATSC2dv ETA_shape_p n3AHRing + 0.0000 * AATSC2dv
 ETA_shape_p JGT10 - 0.0000 * AATSC2dv VE3_A^2 - 0.0000 * AATSC2dv VE3_A SssS + 0.0002 * AATSC2dv
 VE3_A fMF - 0.0000 * AATSC2dv VE3_A SpAD_Dzv - 0.0001 * AATSC2dv VE3_A n3HRing - 0.0001 *
 AATSC2dv VE3_A n3AHRing - 0.0001 * AATSC2dv VE3_A JGT10 - 0.0000 * AATSC2dv SssS^2 - 0.0000 *
 AATSC2dv SssS fMF + 0.0000 * AATSC2dv SssS SpAD_Dzv - 0.0000 * AATSC2dv SssS n3HRing - 0.0000 *
 AATSC2dv SssS n3AHRing - 0.0000 * AATSC2dv SssS JGT10 + 0.0001 * AATSC2dv fMF^2 - 0.0000 *
 AATSC2dv fMF SpAD_Dzv + 0.0000 * AATSC2dv fMF n3HRing + 0.0000 * AATSC2dv fMF n3AHRing -
 0.0000 * AATSC2dv fMF JGT10 - 0.0000 * AATSC2dv SpAD_Dzv n3HRing - 0.0000 * AATSC2dv SpAD_Dzv
 n3AHRing + 0.0000 * AATSC2dv SpAD_Dzv JGT10 - 0.0001 * AATSC2dv n3HRing^2 - 0.0001 * AATSC2dv
 n3HRing n3AHRing + 0.0000 * AATSC2dv n3HRing JGT10 - 0.0001 * AATSC2dv n3AHRing^2 + 0.0000 *
 AATSC2dv n3AHRing JGT10 - 0.0001 * AATSC2dv JGT10^2 + 0.0000 * AATS0dv^3 - 0.0001 * AATS0dv^2
 NdsN - 0.0003 * AATS0dv^2 CIC0 - 0.0001 * AATS0dv^2 VE3_DzZ - 0.0000 * AATS0dv^2 AATSC1dv +
 0.0000 * AATS0dv^2 VE3_Dzm + 0.0000 * AATS0dv^2 VE3_Dzpe - 0.0001 * AATS0dv^2 VE3_Dzi + 0.0001 *
 AATS0dv^2 VE3_D + 0.0003 * AATS0dv^2 VE3_Dzv + 0.0003 * AATS0dv^2 GATS1pe + 0.0000 * AATS0dv^2
 VE3_Dzp + 0.0001 * AATS0dv^2 ATSC1pe - 0.0001 * AATS0dv^2 AATS2dv - 0.0002 * AATS0dv^2
 ETA_shape_p + 0.0000 * AATS0dv^2 VE3_A + 0.0001 * AATS0dv^2 SssS + 0.0000 * AATS0dv^2 fMF - 0.0000
 * AATS0dv^2 SpAD_Dzv + 0.0001 * AATS0dv^2 n3HRing + 0.0001 * AATS0dv^2 n3AHRing + 0.0000 *
 AATS0dv^2 JGT10 - 0.0000 * AATS0dv NdsN^2 + 0.0000 * AATS0dv NdsN CIC0 - 0.0000 * AATS0dv NdsN
 VE3_DzZ + 0.0002 * AATS0dv NdsN AATSC1dv - 0.0000 * AATS0dv NdsN VE3_Dzm - 0.0000 * AATS0dv
 NdsN VE3_Dzpe + 0.0000 * AATS0dv NdsN VE3_D - 0.0000 * AATS0dv NdsN VE3_Dzv + 0.0002 * AATS0dv
 NdsN GATS1pe - 0.0001 * AATS0dv NdsN VE3_Dzp + 0.0000 * AATS0dv NdsN ATSC1pe + 0.0001 *
 AATS0dv NdsN AATS2dv + 0.0002 * AATS0dv NdsN ETA_shape_p + 0.0000 * AATS0dv NdsN VE3_A -
 0.0001 * AATS0dv NdsN SssS - 0.0001 * AATS0dv NdsN fMF + 0.0001 * AATS0dv NdsN n3HRing + 0.0001 *
 AATS0dv NdsN n3AHRing - 0.0000 * AATS0dv NdsN JGT10 - 0.0000 * AATS0dv CIC0^2 + 0.0001 * AATS0dv
 CIC0 VE3_DzZ + 0.0000 * AATS0dv CIC0 AATSC1dv + 0.0001 * AATS0dv CIC0 VE3_Dzm + 0.0001 *
 AATS0dv CIC0 VE3_Dzpe + 0.0000 * AATS0dv CIC0 VE3_Dzi + 0.0001 * AATS0dv CIC0 VE3_D + 0.0001 *
 AATS0dv CIC0 VE3_Dzv + 0.0002 * AATS0dv CIC0 GATS1pe - 0.0000 * AATS0dv CIC0 VE3_Dzp + 0.0002 *
 AATS0dv CIC0 ATSC1pe + 0.0006 * AATS0dv CIC0 AATS2dv - 0.0002 * AATS0dv CIC0 ETA_shape_p +
 0.0002 * AATS0dv CIC0 VE3_A + 0.0001 * AATS0dv CIC0 SssS + 0.0004 * AATS0dv CIC0 fMF - 0.0000 *

AATS0dv CIC0 SpAD_Dzv - 0.0002 * AATS0dv CIC0 n3HRing - 0.0002 * AATS0dv CIC0 n3AHRing + 0.0004
* AATS0dv CIC0 JGT10 - 0.0001 * AATS0dv VE3_DzZ^2 - 0.0001 * AATS0dv VE3_DzZ AATSC1dv - 0.0001 *
AATS0dv VE3_DzZ VE3_Dzm - 0.0000 * AATS0dv VE3_DzZ VE3_Dzpe - 0.0001 * AATS0dv VE3_DzZ
VE3_Dzi - 0.0001 * AATS0dv VE3_DzZ VE3_D - 0.0000 * AATS0dv VE3_DzZ VE3_Dzv - 0.0000 * AATS0dv
VE3_DzZ GATS1pe - 0.0001 * AATS0dv VE3_DzZ VE3_Dzp - 0.0001 * AATS0dv VE3_DzZ ATSC1pe - 0.0002
* AATS0dv VE3_DzZ AATS2dv - 0.0001 * AATS0dv VE3_DzZ ETA_shape_p + 0.0000 * AATS0dv VE3_DzZ
VE3_A + 0.0001 * AATS0dv VE3_DzZ SssS - 0.0001 * AATS0dv VE3_DzZ fMF - 0.0000 * AATS0dv VE3_DzZ
SpAD_Dzv + 0.0000 * AATS0dv VE3_DzZ n3HRing + 0.0000 * AATS0dv VE3_DzZ n3AHRing + 0.0002 *
AATS0dv VE3_DzZ JGT10 - 0.0002 * AATS0dv AATSC1dv^2 - 0.0002 * AATS0dv AATSC1dv VE3_Dzm -
0.0000 * AATS0dv AATSC1dv VE3_Dzpe - 0.0001 * AATS0dv AATSC1dv VE3_Dzi - 0.0000 * AATS0dv
AATSC1dv VE3_D + 0.0000 * AATS0dv AATSC1dv VE3_Dzv + 0.0000 * AATS0dv AATSC1dv GATS1pe +
0.0002 * AATS0dv AATSC1dv ATSC1pe + 0.0001 * AATS0dv AATSC1dv AATS2dv + 0.0001 * AATS0dv
AATSC1dv ETA_shape_p + 0.0001 * AATS0dv AATSC1dv VE3_A + 0.0001 * AATS0dv AATSC1dv SssS +
0.0000 * AATS0dv AATSC1dv SpAD_Dzv - 0.0000 * AATS0dv AATSC1dv n3HRing - 0.0000 * AATS0dv
AATSC1dv n3AHRing + 0.0001 * AATS0dv AATSC1dv JGT10 - 0.0001 * AATS0dv VE3_Dzm^2 - 0.0000 *
AATS0dv VE3_Dzm VE3_Dzpe - 0.0001 * AATS0dv VE3_Dzm VE3_Dzi - 0.0001 * AATS0dv VE3_Dzm
VE3_D - 0.0000 * AATS0dv VE3_Dzm VE3_Dzv + 0.0000 * AATS0dv VE3_Dzm GATS1pe - 0.0001 *
AATS0dv VE3_Dzm VE3_Dzp - 0.0001 * AATS0dv VE3_Dzm ATSC1pe - 0.0001 * AATS0dv VE3_Dzm
AATS2dv - 0.0001 * AATS0dv VE3_Dzm ETA_shape_p + 0.0000 * AATS0dv VE3_Dzm VE3_A + 0.0001 *
AATS0dv VE3_Dzm SssS - 0.0001 * AATS0dv VE3_Dzm fMF - 0.0000 * AATS0dv VE3_Dzm SpAD_Dzv +
0.0000 * AATS0dv VE3_Dzm n3HRing + 0.0000 * AATS0dv VE3_Dzm n3AHRing + 0.0002 * AATS0dv
VE3_Dzm JGT10 + 0.0000 * AATS0dv VE3_Dzpe^2 - 0.0000 * AATS0dv VE3_Dzpe VE3_Dzi - 0.0000 *
AATS0dv VE3_Dzpe VE3_D + 0.0000 * AATS0dv VE3_Dzpe VE3_Dzv - 0.0001 * AATS0dv VE3_Dzpe
GATS1pe - 0.0000 * AATS0dv VE3_Dzpe VE3_Dzp + 0.0000 * AATS0dv VE3_Dzpe ATSC1pe - 0.0000 *
AATS0dv VE3_Dzpe AATS2dv - 0.0001 * AATS0dv VE3_Dzpe ETA_shape_p + 0.0001 * AATS0dv VE3_Dzpe
VE3_A + 0.0000 * AATS0dv VE3_Dzpe SssS - 0.0000 * AATS0dv VE3_Dzpe fMF + 0.0001 * AATS0dv
VE3_Dzpe SpAD_Dzv + 0.0000 * AATS0dv VE3_Dzpe n3HRing + 0.0000 * AATS0dv VE3_Dzpe n3AHRing +
0.0002 * AATS0dv VE3_Dzpe JGT10 - 0.0001 * AATS0dv VE3_Dzi^2 - 0.0001 * AATS0dv VE3_Dzi VE3_D -
0.0000 * AATS0dv VE3_Dzi VE3_Dzv - 0.0001 * AATS0dv VE3_Dzi GATS1pe - 0.0000 * AATS0dv VE3_Dzi
VE3_Dzp + 0.0000 * AATS0dv VE3_Dzi ATSC1pe - 0.0001 * AATS0dv VE3_Dzi AATS2dv - 0.0001 *
AATS0dv VE3_Dzi ETA_shape_p + 0.0000 * AATS0dv VE3_Dzi VE3_A + 0.0000 * AATS0dv VE3_Dzi SssS -
0.0001 * AATS0dv VE3_Dzi fMF + 0.0002 * AATS0dv VE3_Dzi SpAD_Dzv + 0.0000 * AATS0dv VE3_Dzi
n3HRing + 0.0000 * AATS0dv VE3_Dzi n3AHRing + 0.0001 * AATS0dv VE3_Dzi JGT10 - 0.0001 * AATS0dv
VE3_D^2 - 0.0001 * AATS0dv VE3_D VE3_Dzv - 0.0001 * AATS0dv VE3_D GATS1pe - 0.0001 * AATS0dv
VE3_D VE3_Dzp + 0.0001 * AATS0dv VE3_D ATSC1pe - 0.0001 * AATS0dv VE3_D AATS2dv - 0.0001 *
AATS0dv VE3_D ETA_shape_p + 0.0000 * AATS0dv VE3_D SssS - 0.0000 * AATS0dv VE3_D fMF - 0.0001 *
AATS0dv VE3_D SpAD_Dzv + 0.0000 * AATS0dv VE3_D n3HRing + 0.0000 * AATS0dv VE3_D n3AHRing +
0.0001 * AATS0dv VE3_D JGT10 - 0.0001 * AATS0dv VE3_Dzv GATS1pe - 0.0000 * AATS0dv VE3_Dzv
VE3_Dzp - 0.0000 * AATS0dv VE3_Dzv ATSC1pe + 0.0000 * AATS0dv VE3_Dzv AATS2dv - 0.0001 *
AATS0dv VE3_Dzv ETA_shape_p + 0.0001 * AATS0dv VE3_Dzv VE3_A + 0.0000 * AATS0dv VE3_Dzv SssS -
0.0001 * AATS0dv VE3_Dzv fMF - 0.0004 * AATS0dv VE3_Dzv SpAD_Dzv + 0.0000 * AATS0dv VE3_Dzv
n3HRing + 0.0000 * AATS0dv VE3_Dzv n3AHRing + 0.0001 * AATS0dv VE3_Dzv JGT10 - 0.0002 * AATS0dv
GATS1pe^2 - 0.0001 * AATS0dv GATS1pe VE3_Dzp - 0.0000 * AATS0dv GATS1pe ATSC1pe - 0.0008 *
AATS0dv GATS1pe AATS2dv + 0.0002 * AATS0dv GATS1pe ETA_shape_p - 0.0001 * AATS0dv GATS1pe
VE3_A + 0.0000 * AATS0dv GATS1pe SssS - 0.0001 * AATS0dv GATS1pe fMF - 0.0000 * AATS0dv GATS1pe
SpAD_Dzv - 0.0000 * AATS0dv GATS1pe n3HRing - 0.0000 * AATS0dv GATS1pe n3AHRing - 0.0000 *
AATS0dv GATS1pe JGT10 - 0.0000 * AATS0dv VE3_Dzp^2 - 0.0002 * AATS0dv VE3_Dzp ATSC1pe - 0.0001
* AATS0dv VE3_Dzp AATS2dv - 0.0001 * AATS0dv VE3_Dzp ETA_shape_p + 0.0000 * AATS0dv VE3_Dzp
VE3_A + 0.0001 * AATS0dv VE3_Dzp SssS - 0.0001 * AATS0dv VE3_Dzp fMF + 0.0003 * AATS0dv VE3_Dzp
SpAD_Dzv + 0.0000 * AATS0dv VE3_Dzp n3HRing + 0.0000 * AATS0dv VE3_Dzp n3AHRing + 0.0001 *
AATS0dv VE3_Dzp JGT10 - 0.0001 * AATS0dv ATSC1pe^2 - 0.0001 * AATS0dv ATSC1pe AATS2dv + 0.0001
* AATS0dv ATSC1pe ETA_shape_p + 0.0001 * AATS0dv ATSC1pe SssS - 0.0001 * AATS0dv ATSC1pe fMF -
0.0000 * AATS0dv ATSC1pe SpAD_Dzv + 0.0001 * AATS0dv ATSC1pe n3HRing + 0.0001 * AATS0dv
ATSC1pe n3AHRing - 0.0005 * AATS0dv ATSC1pe JGT10 + 0.0001 * AATS0dv AATS2dv^2 + 0.0003 *
AATS0dv AATS2dv ETA_shape_p - 0.0001 * AATS0dv AATS2dv VE3_A - 0.0003 * AATS0dv AATS2dv SssS -
0.0002 * AATS0dv AATS2dv fMF + 0.0000 * AATS0dv AATS2dv SpAD_Dzv - 0.0002 * AATS0dv AATS2dv
n3HRing - 0.0002 * AATS0dv AATS2dv n3AHRing - 0.0001 * AATS0dv AATS2dv JGT10 - 0.0001 * AATS0dv
ETA_shape_p^2 - 0.0002 * AATS0dv ETA_shape_p VE3_A - 0.0000 * AATS0dv ETA_shape_p SssS - 0.0002 *
AATS0dv ETA_shape_p fMF - 0.0000 * AATS0dv ETA_shape_p SpAD_Dzv - 0.0000 * AATS0dv ETA_shape_p
n3HRing - 0.0000 * AATS0dv ETA_shape_p n3AHRing - 0.0000 * AATS0dv ETA_shape_p JGT10 + 0.0001 *
AATS0dv VE3_A^2 + 0.0001 * AATS0dv VE3_A SssS - 0.0000 * AATS0dv VE3_A fMF - 0.0000 * AATS0dv
VE3_A SpAD_Dzv + 0.0000 * AATS0dv VE3_A n3HRing + 0.0000 * AATS0dv VE3_A n3AHRing + 0.0002 *

AATS0dv VE3_A JGT10 - 0.0000 * AATS0dv SssS^2 + 0.0000 * AATS0dv SssS fMF - 0.0001 * AATS0dv SssS
n3HRRing - 0.0001 * AATS0dv SssS n3AHRing - 0.0001 * AATS0dv SssS JGT10 + 0.0000 * AATS0dv fMF^2 -
0.0000 * AATS0dv fMF SpAD_Dzv + 0.0000 * AATS0dv fMF n3HRRing + 0.0000 * AATS0dv fMF n3AHRing +
0.0000 * AATS0dv fMF JGT10 - 0.0000 * AATS0dv SpAD_Dzv n3HRRing - 0.0000 * AATS0dv SpAD_Dzv
n3AHRing + 0.0000 * AATS0dv SpAD_Dzv JGT10 - 0.0001 * AATS0dv n3HRRing^2 - 0.0001 * AATS0dv
n3HRRing n3AHRing + 0.0002 * AATS0dv n3HRRing JGT10 - 0.0001 * AATS0dv n3AHRing^2 + 0.0002 *
AATS0dv n3AHRing JGT10 - 0.0000 * AATS0dv JGT10^2 + 0.0002 * NdsN^3 - 0.0001 * NdsN^2 CIC0 - 0.0000
* NdsN^2 VE3_DzZ + 0.0002 * NdsN^2 AATSC1dv - 0.0000 * NdsN^2 VE3_Dzm - 0.0000 * NdsN^2 VE3_Dzpe
- 0.0000 * NdsN^2 VE3_Dzi - 0.0000 * NdsN^2 VE3_D - 0.0000 * NdsN^2 VE3_Dzv - 0.0001 * NdsN^2
GATS1pe - 0.0000 * NdsN^2 VE3_Dzp + 0.0000 * NdsN^2 ATSC1pe - 0.0001 * NdsN^2 AATS2dv + 0.0001 *
NdsN^2 ETA_shape_p + 0.0001 * NdsN^2 VE3_A - 0.0000 * NdsN^2 SssS + 0.0000 * NdsN^2 fMF - 0.0001 *
NdsN^2 n3HRRing - 0.0001 * NdsN^2 n3AHRing + 0.0001 * NdsN^2 JGT10 + 0.0002 * NdsN CIC0^2 + 0.0001 *
NdsN CIC0 VE3_DzZ - 0.0002 * NdsN CIC0 AATSC1dv + 0.0001 * NdsN CIC0 VE3_Dzm + 0.0001 * NdsN
CIC0 VE3_Dzpe + 0.0001 * NdsN CIC0 VE3_Dzi + 0.0001 * NdsN CIC0 VE3_D + 0.0001 * NdsN CIC0
VE3_Dzv - 0.0003 * NdsN CIC0 GATS1pe + 0.0001 * NdsN CIC0 VE3_Dzp - 0.0000 * NdsN CIC0 ATSC1pe -
0.0000 * NdsN CIC0 AATS2dv + 0.0001 * NdsN CIC0 ETA_shape_p + 0.0000 * NdsN CIC0 VE3_A - 0.0000 *
NdsN CIC0 SssS + 0.0000 * NdsN CIC0 fMF - 0.0000 * NdsN CIC0 SpAD_Dzv - 0.0000 * NdsN CIC0 n3HRRing -
0.0000 * NdsN CIC0 n3AHRing - 0.0000 * NdsN CIC0 JGT10 - 0.0000 * NdsN VE3_DzZ^2 + 0.0000 * NdsN
VE3_DzZ AATSC1dv - 0.0000 * NdsN VE3_DzZ VE3_Dzm - 0.0000 * NdsN VE3_DzZ VE3_Dzpe - 0.0000 *
NdsN VE3_DzZ VE3_Dzi - 0.0000 * NdsN VE3_DzZ VE3_D - 0.0000 * NdsN VE3_DzZ VE3_Dzv - 0.0001 *
NdsN VE3_DzZ GATS1pe - 0.0000 * NdsN VE3_DzZ VE3_Dzp - 0.0001 * NdsN VE3_DzZ ATSC1pe + 0.0000 *
NdsN VE3_DzZ AATS2dv - 0.0000 * NdsN VE3_DzZ ETA_shape_p - 0.0000 * NdsN VE3_DzZ VE3_A - 0.0000
* NdsN VE3_DzZ SssS + 0.0001 * NdsN VE3_DzZ fMF + 0.0000 * NdsN VE3_DzZ SpAD_Dzv - 0.0001 * NdsN
VE3_DzZ JGT10 + 0.0001 * NdsN AATSC1dv^2 + 0.0000 * NdsN AATSC1dv VE3_Dzm + 0.0000 * NdsN
AATSC1dv VE3_Dzpe + 0.0000 * NdsN AATSC1dv VE3_Dzi + 0.0000 * NdsN AATSC1dv VE3_D + 0.0000 *
NdsN AATSC1dv VE3_Dzv - 0.0004 * NdsN AATSC1dv GATS1pe + 0.0000 * NdsN AATSC1dv VE3_Dzp +
0.0002 * NdsN AATSC1dv ATSC1pe - 0.0001 * NdsN AATSC1dv AATS2dv + 0.0001 * NdsN AATSC1dv
ETA_shape_p + 0.0001 * NdsN AATSC1dv VE3_A + 0.0000 * NdsN AATSC1dv SssS - 0.0001 * NdsN
AATSC1dv fMF + 0.0001 * NdsN AATSC1dv n3HRRing + 0.0001 * NdsN AATSC1dv n3AHRing + 0.0001 *
NdsN AATSC1dv JGT10 - 0.0000 * NdsN VE3_Dzm^2 - 0.0000 * NdsN VE3_Dzm VE3_Dzpe - 0.0000 * NdsN
VE3_Dzm VE3_Dzi - 0.0000 * NdsN VE3_Dzm VE3_D - 0.0000 * NdsN VE3_Dzm VE3_Dzv - 0.0001 * NdsN
VE3_Dzm GATS1pe - 0.0000 * NdsN VE3_Dzm VE3_Dzp - 0.0001 * NdsN VE3_Dzm ATSC1pe + 0.0000 *
NdsN VE3_Dzm AATS2dv - 0.0000 * NdsN VE3_Dzm ETA_shape_p - 0.0000 * NdsN VE3_Dzm VE3_A -
0.0000 * NdsN VE3_Dzm SssS + 0.0001 * NdsN VE3_Dzm fMF + 0.0000 * NdsN VE3_Dzm SpAD_Dzv - 0.0001
* NdsN VE3_Dzm JGT10 - 0.0000 * NdsN VE3_Dzpe^2 - 0.0000 * NdsN VE3_Dzpe VE3_Dzi - 0.0000 * NdsN
VE3_Dzpe VE3_D - 0.0000 * NdsN VE3_Dzpe VE3_Dzv - 0.0001 * NdsN VE3_Dzpe GATS1pe - 0.0000 * NdsN
VE3_Dzpe VE3_Dzp - 0.0001 * NdsN VE3_Dzpe ATSC1pe + 0.0000 * NdsN VE3_Dzpe AATS2dv - 0.0000 *
NdsN VE3_Dzpe ETA_shape_p - 0.0000 * NdsN VE3_Dzpe VE3_A - 0.0000 * NdsN VE3_Dzpe SssS + 0.0001 *
NdsN VE3_Dzpe fMF - 0.0001 * NdsN VE3_Dzpe SpAD_Dzv - 0.0001 * NdsN VE3_Dzpe JGT10 - 0.0000 *
NdsN VE3_Dzi^2 - 0.0000 * NdsN VE3_Dzi VE3_D - 0.0000 * NdsN VE3_Dzi VE3_Dzv - 0.0001 * NdsN
VE3_Dzi GATS1pe - 0.0000 * NdsN VE3_Dzi VE3_Dzp - 0.0001 * NdsN VE3_Dzi ATSC1pe + 0.0000 * NdsN
VE3_Dzi AATS2dv - 0.0000 * NdsN VE3_Dzi ETA_shape_p - 0.0000 * NdsN VE3_Dzi VE3_A - 0.0000 * NdsN
VE3_Dzi SssS + 0.0001 * NdsN VE3_Dzi fMF + 0.0001 * NdsN VE3_Dzi SpAD_Dzv - 0.0001 * NdsN VE3_Dzi
JGT10 - 0.0000 * NdsN VE3_D^2 - 0.0000 * NdsN VE3_D VE3_Dzv - 0.0001 * NdsN VE3_D GATS1pe - 0.0000
* NdsN VE3_D VE3_Dzp - 0.0001 * NdsN VE3_D ATSC1pe + 0.0000 * NdsN VE3_D AATS2dv - 0.0000 *
NdsN VE3_D ETA_shape_p + 0.0000 * NdsN VE3_D VE3_A - 0.0000 * NdsN VE3_D SssS + 0.0001 * NdsN
VE3_D fMF + 0.0002 * NdsN VE3_D SpAD_Dzv - 0.0000 * NdsN VE3_D JGT10 - 0.0000 * NdsN VE3_Dzv^2 -
0.0001 * NdsN VE3_Dzv GATS1pe - 0.0000 * NdsN VE3_Dzv VE3_Dzp - 0.0001 * NdsN VE3_Dzv ATSC1pe -
0.0000 * NdsN VE3_Dzv ETA_shape_p - 0.0000 * NdsN VE3_Dzv VE3_A - 0.0000 * NdsN VE3_Dzv SssS +
0.0001 * NdsN VE3_Dzv fMF - 0.0001 * NdsN VE3_Dzv SpAD_Dzv - 0.0000 * NdsN VE3_Dzv n3HRRing -
0.0000 * NdsN VE3_Dzv n3AHRing - 0.0001 * NdsN VE3_Dzv JGT10 - 0.0000 * NdsN GATS1pe^2 - 0.0001 *
NdsN GATS1pe VE3_Dzp - 0.0002 * NdsN GATS1pe ATSC1pe + 0.0004 * NdsN GATS1pe AATS2dv + 0.0001 *
NdsN GATS1pe ETA_shape_p - 0.0001 * NdsN GATS1pe VE3_A - 0.0001 * NdsN GATS1pe SssS - 0.0000 *
NdsN GATS1pe fMF + 0.0000 * NdsN GATS1pe n3HRRing + 0.0000 * NdsN GATS1pe n3AHRing + 0.0000 *
NdsN GATS1pe JGT10 - 0.0000 * NdsN VE3_Dzp^2 - 0.0001 * NdsN VE3_Dzp ATSC1pe - 0.0000 * NdsN
VE3_Dzp AATS2dv - 0.0000 * NdsN VE3_Dzp ETA_shape_p - 0.0000 * NdsN VE3_Dzp VE3_A - 0.0000 *
NdsN VE3_Dzp SssS + 0.0001 * NdsN VE3_Dzp fMF - 0.0001 * NdsN VE3_Dzp SpAD_Dzv - 0.0000 * NdsN
VE3_Dzp n3HRRing - 0.0000 * NdsN VE3_Dzp n3AHRing - 0.0001 * NdsN VE3_Dzp JGT10 - 0.0003 * NdsN
ATSC1pe^2 - 0.0001 * NdsN ATSC1pe AATS2dv - 0.0001 * NdsN ATSC1pe ETA_shape_p - 0.0001 * NdsN
ATSC1pe VE3_A - 0.0001 * NdsN ATSC1pe SssS + 0.0000 * NdsN ATSC1pe fMF - 0.0001 * NdsN ATSC1pe
n3HRRing - 0.0001 * NdsN ATSC1pe n3AHRing - 0.0000 * NdsN ATSC1pe JGT10 - 0.0001 * NdsN AATS2dv^2 +
0.0000 * NdsN AATS2dv ETA_shape_p + 0.0002 * NdsN AATS2dv VE3_A + 0.0002 * NdsN AATS2dv SssS -

0.0000 * NdsN AATS2dv fMF + 0.0000 * NdsN AATS2dv n3HRing + 0.0000 * NdsN AATS2dv n3AHRing +
 0.0001 * NdsN AATS2dv JGT10 + 0.0000 * NdsN ETA_shape_p^2 - 0.0000 * NdsN ETA_shape_p VE3_A +
 0.0000 * NdsN ETA_shape_p SssS - 0.0000 * NdsN ETA_shape_p fMF - 0.0000 * NdsN ETA_shape_p
 SpAD_Dzv - 0.0000 * NdsN ETA_shape_p n3HRing - 0.0000 * NdsN ETA_shape_p n3AHRing + 0.0000 * NdsN
 ETA_shape_p JGT10 + 0.0000 * NdsN VE3_A^2 + 0.0001 * NdsN VE3_A fMF - 0.0000 * NdsN VE3_A
 SpAD_Dzv - 0.0000 * NdsN VE3_A n3HRing - 0.0000 * NdsN VE3_A n3AHRing - 0.0000 * NdsN VE3_A
 JGT10 - 0.0000 * NdsN SssS^2 + 0.0001 * NdsN SssS fMF + 0.0000 * NdsN SssS JGT10 + 0.0000 * NdsN fMF^2
 - 0.0000 * NdsN fMF SpAD_Dzv + 0.0000 * NdsN fMF n3HRing + 0.0000 * NdsN fMF n3AHRing - 0.0000 *
 NdsN fMF JGT10 + 0.0000 * NdsN SpAD_Dzv JGT10 - 0.0000 * NdsN n3HRing^2 - 0.0000 * NdsN n3HRing
 n3AHRing - 0.0000 * NdsN n3HRing JGT10 - 0.0000 * NdsN n3AHRing^2 - 0.0000 * NdsN n3AHRing JGT10 +
 0.0000 * NdsN JGT10^2 + 0.0002 * CIC0^3 - 0.0002 * CIC0^2 VE3_DzZ + 0.0001 * CIC0^2 AATSC1dv - 0.0001
 * CIC0^2 VE3_Dzm - 0.0002 * CIC0^2 VE3_Dzpe - 0.0002 * CIC0^2 VE3_Dzi - 0.0002 * CIC0^2 VE3_D -
 0.0002 * CIC0^2 VE3_Dzv + 0.0000 * CIC0^2 GATS1pe - 0.0002 * CIC0^2 VE3_Dzp - 0.0002 * CIC0^2
 ATSC1pe + 0.0000 * CIC0^2 AATS2dv + 0.0001 * CIC0^2 ETA_shape_p - 0.0001 * CIC0^2 VE3_A + 0.0004 *
 CIC0^2 SssS - 0.0001 * CIC0^2 fMF - 0.0000 * CIC0^2 SpAD_Dzv + 0.0000 * CIC0^2 n3HRing + 0.0000 *
 CIC0^2 n3AHRing + 0.0001 * CIC0^2 JGT10 + 0.0000 * CIC0 VE3_DzZ^2 - 0.0002 * CIC0 VE3_DzZ
 AATSC1dv + 0.0000 * CIC0 VE3_DzZ VE3_Dzm + 0.0001 * CIC0 VE3_DzZ VE3_Dzpe + 0.0001 * CIC0
 VE3_DzZ VE3_Dzi + 0.0001 * CIC0 VE3_DzZ VE3_D + 0.0001 * CIC0 VE3_DzZ VE3_Dzv + 0.0000 * CIC0
 VE3_DzZ GATS1pe + 0.0000 * CIC0 VE3_DzZ VE3_Dzp + 0.0001 * CIC0 VE3_DzZ ATSC1pe + 0.0000 * CIC0
 VE3_DzZ AATS2dv + 0.0000 * CIC0 VE3_DzZ ETA_shape_p + 0.0001 * CIC0 VE3_DzZ VE3_A - 0.0002 *
 CIC0 VE3_DzZ SssS - 0.0001 * CIC0 VE3_DzZ fMF + 0.0000 * CIC0 VE3_DzZ SpAD_Dzv - 0.0000 * CIC0
 VE3_DzZ n3HRing - 0.0000 * CIC0 VE3_DzZ n3AHRing + 0.0000 * CIC0 VE3_DzZ JGT10 + 0.0000 * CIC0
 AATSC1dv^2 - 0.0002 * CIC0 AATSC1dv VE3_Dzm - 0.0001 * CIC0 AATSC1dv VE3_Dzpe - 0.0002 * CIC0
 AATSC1dv VE3_Dzi - 0.0001 * CIC0 AATSC1dv VE3_D - 0.0001 * CIC0 AATSC1dv VE3_Dzv - 0.0000 * CIC0
 AATSC1dv GATS1pe - 0.0001 * CIC0 AATSC1dv VE3_Dzp - 0.0001 * CIC0 AATSC1dv ATSC1pe - 0.0002 *
 CIC0 AATSC1dv AATS2dv - 0.0002 * CIC0 AATSC1dv ETA_shape_p - 0.0002 * CIC0 AATSC1dv VE3_A +
 0.0001 * CIC0 AATSC1dv SssS - 0.0002 * CIC0 AATSC1dv fMF + 0.0000 * CIC0 AATSC1dv SpAD_Dzv +
 0.0001 * CIC0 AATSC1dv n3HRing + 0.0001 * CIC0 AATSC1dv n3AHRing - 0.0001 * CIC0 AATSC1dv JGT10
 + 0.0000 * CIC0 VE3_Dzm^2 + 0.0001 * CIC0 VE3_Dzm VE3_Dzpe + 0.0001 * CIC0 VE3_Dzm VE3_Dzi +
 0.0001 * CIC0 VE3_Dzm VE3_D + 0.0001 * CIC0 VE3_Dzm VE3_Dzv + 0.0000 * CIC0 VE3_Dzm GATS1pe +
 0.0000 * CIC0 VE3_Dzm VE3_Dzp + 0.0001 * CIC0 VE3_Dzm ATSC1pe + 0.0000 * CIC0 VE3_Dzm AATS2dv
 + 0.0000 * CIC0 VE3_Dzm ETA_shape_p + 0.0001 * CIC0 VE3_Dzm VE3_A - 0.0002 * CIC0 VE3_Dzm SssS -
 0.0001 * CIC0 VE3_Dzm fMF + 0.0000 * CIC0 VE3_Dzm SpAD_Dzv - 0.0000 * CIC0 VE3_Dzm n3HRing -
 0.0000 * CIC0 VE3_Dzm n3AHRing + 0.0001 * CIC0 VE3_Dzm JGT10 + 0.0001 * CIC0 VE3_Dzpe^2 + 0.0001 *
 CIC0 VE3_Dzpe VE3_Dzi + 0.0001 * CIC0 VE3_Dzpe VE3_D + 0.0001 * CIC0 VE3_Dzpe VE3_Dzv - 0.0001 *
 CIC0 VE3_Dzpe GATS1pe + 0.0001 * CIC0 VE3_Dzpe VE3_Dzp + 0.0001 * CIC0 VE3_Dzpe ATSC1pe +
 0.0001 * CIC0 VE3_Dzpe AATS2dv - 0.0000 * CIC0 VE3_Dzpe ETA_shape_p + 0.0001 * CIC0 VE3_Dzpe
 VE3_A - 0.0002 * CIC0 VE3_Dzpe SssS - 0.0001 * CIC0 VE3_Dzpe fMF + 0.0002 * CIC0 VE3_Dzpe SpAD_Dzv
 + 0.0000 * CIC0 VE3_Dzpe JGT10 + 0.0001 * CIC0 VE3_Dzi^2 + 0.0001 * CIC0 VE3_Dzi VE3_D + 0.0001 *
 CIC0 VE3_Dzi VE3_Dzv - 0.0001 * CIC0 VE3_Dzi GATS1pe + 0.0001 * CIC0 VE3_Dzi VE3_Dzp + 0.0001 *
 CIC0 VE3_Dzi ATSC1pe - 0.0000 * CIC0 VE3_Dzi AATS2dv - 0.0000 * CIC0 VE3_Dzi ETA_shape_p + 0.0001
 * CIC0 VE3_Dzi VE3_A - 0.0002 * CIC0 VE3_Dzi SssS - 0.0001 * CIC0 VE3_Dzi fMF - 0.0003 * CIC0 VE3_Dzi
 SpAD_Dzv + 0.0000 * CIC0 VE3_Dzi n3HRing + 0.0000 * CIC0 VE3_Dzi n3AHRing + 0.0000 * CIC0 VE3_Dzi
 JGT10 + 0.0001 * CIC0 VE3_D^2 + 0.0001 * CIC0 VE3_D VE3_Dzv - 0.0001 * CIC0 VE3_D GATS1pe + 0.0001
 * CIC0 VE3_D VE3_Dzp + 0.0001 * CIC0 VE3_D ATSC1pe + 0.0000 * CIC0 VE3_D AATS2dv - 0.0000 * CIC0
 VE3_D ETA_shape_p + 0.0001 * CIC0 VE3_D VE3_A - 0.0002 * CIC0 VE3_D SssS - 0.0001 * CIC0 VE3_D
 fMF - 0.0000 * CIC0 VE3_D SpAD_Dzv + 0.0000 * CIC0 VE3_D n3HRing + 0.0000 * CIC0 VE3_D n3AHRing +
 0.0000 * CIC0 VE3_D JGT10 + 0.0001 * CIC0 VE3_Dzv^2 - 0.0001 * CIC0 VE3_Dzv GATS1pe + 0.0001 * CIC0
 VE3_Dzv VE3_Dzp + 0.0001 * CIC0 VE3_Dzv ATSC1pe + 0.0000 * CIC0 VE3_Dzv AATS2dv + 0.0000 * CIC0
 VE3_Dzv ETA_shape_p + 0.0001 * CIC0 VE3_Dzv VE3_A - 0.0002 * CIC0 VE3_Dzv SssS - 0.0001 * CIC0
 VE3_Dzv fMF + 0.0001 * CIC0 VE3_Dzv SpAD_Dzv + 0.0000 * CIC0 VE3_Dzv n3HRing + 0.0000 * CIC0
 VE3_Dzv n3AHRing + 0.0000 * CIC0 VE3_Dzv JGT10 + 0.0000 * CIC0 GATS1pe^2 - 0.0001 * CIC0 GATS1pe
 VE3_Dzp - 0.0002 * CIC0 GATS1pe ATSC1pe - 0.0003 * CIC0 GATS1pe AATS2dv + 0.0003 * CIC0 GATS1pe
 ETA_shape_p - 0.0000 * CIC0 GATS1pe VE3_A + 0.0001 * CIC0 GATS1pe SssS - 0.0002 * CIC0 GATS1pe fMF
 + 0.0000 * CIC0 GATS1pe SpAD_Dzv + 0.0001 * CIC0 GATS1pe n3HRing + 0.0001 * CIC0 GATS1pe
 n3AHRing - 0.0001 * CIC0 GATS1pe JGT10 + 0.0001 * CIC0 VE3_Dzp^2 + 0.0001 * CIC0 VE3_Dzp ATSC1pe -
 0.0001 * CIC0 VE3_Dzp AATS2dv + 0.0000 * CIC0 VE3_Dzp ETA_shape_p + 0.0001 * CIC0 VE3_Dzp VE3_A
 - 0.0002 * CIC0 VE3_Dzp SssS - 0.0001 * CIC0 VE3_Dzp fMF + 0.0000 * CIC0 VE3_Dzp SpAD_Dzv + 0.0000 *
 CIC0 VE3_Dzp n3HRing + 0.0000 * CIC0 VE3_Dzp n3AHRing + 0.0000 * CIC0 VE3_Dzp JGT10 + 0.0002 *
 CIC0 ATSC1pe^2 - 0.0000 * CIC0 ATSC1pe AATS2dv - 0.0001 * CIC0 ATSC1pe ETA_shape_p + 0.0000 * CIC0
 ATSC1pe VE3_A + 0.0001 * CIC0 ATSC1pe SssS - 0.0002 * CIC0 ATSC1pe fMF + 0.0000 * CIC0 ATSC1pe
 SpAD_Dzv + 0.0001 * CIC0 ATSC1pe n3HRing + 0.0001 * CIC0 ATSC1pe n3AHRing + 0.0001 * CIC0

ATSC1pe JGT10 - 0.0003 * CIC0 AATS2dv^2 + 0.0000 * CIC0 AATS2dv ETA_shape_p - 0.0000 * CIC0 AATS2dv VE3_A - 0.0002 * CIC0 AATS2dv SssS - 0.0000 * CIC0 AATS2dv fMF + 0.0000 * CIC0 AATS2dv SpAD_Dzv - 0.0001 * CIC0 AATS2dv n3HRing - 0.0001 * CIC0 AATS2dv n3AHRing - 0.0003 * CIC0 AATS2dv JGT10 - 0.0002 * CIC0 ETA_shape_p^2 - 0.0000 * CIC0 ETA_shape_p VE3_A + 0.0001 * CIC0 ETA_shape_p SssS - 0.0000 * CIC0 ETA_shape_p fMF - 0.0001 * CIC0 ETA_shape_p SpAD_Dzv - 0.0000 * CIC0 ETA_shape_p n3HRing - 0.0000 * CIC0 ETA_shape_p n3AHRing - 0.0000 * CIC0 ETA_shape_p JGT10 + 0.0000 * CIC0 VE3_A^2 - 0.0002 * CIC0 VE3_A SssS - 0.0001 * CIC0 VE3_A fMF + 0.0000 * CIC0 VE3_A SpAD_Dzv + 0.0000 * CIC0 VE3_A n3HRing + 0.0000 * CIC0 VE3_A n3AHRing - 0.0000 * CIC0 VE3_A JGT10 - 0.0001 * CIC0 SssS^2 + 0.0000 * CIC0 SssS fMF + 0.0000 * CIC0 SssS SpAD_Dzv + 0.0000 * CIC0 SssS n3HRing + 0.0000 * CIC0 SssS n3AHRing + 0.0001 * CIC0 SssS JGT10 + 0.0001 * CIC0 fMF^2 - 0.0001 * CIC0 fMF SpAD_Dzv + 0.0000 * CIC0 fMF n3HRing + 0.0000 * CIC0 fMF n3AHRing + 0.0001 * CIC0 fMF JGT10 + 0.0000 * CIC0 SpAD_Dzv n3HRing + 0.0000 * CIC0 SpAD_Dzv n3AHRing - 0.0000 * CIC0 SpAD_Dzv JGT10 - 0.0000 * CIC0 n3HRing^2 - 0.0000 * CIC0 n3HRing n3AHRing - 0.0000 * CIC0 n3HRing JGT10 - 0.0000 * CIC0 n3AHRing^2 - 0.0000 * CIC0 n3AHRing JGT10 - 0.0001 * CIC0 JGT10^2 + 0.0001 * VE3_DzZ^3 + 0.0000 * VE3_DzZ^2 AATSC1dv + 0.0001 * VE3_DzZ^2 VE3_Dzm + 0.0000 * VE3_DzZ^2 VE3_Dzpe + 0.0000 * VE3_DzZ^2 VE3_Dzi + 0.0000 * VE3_DzZ^2 VE3_D + 0.0000 * VE3_DzZ^2 VE3_Dzv - 0.0001 * VE3_DzZ^2 GATS1pe + 0.0001 * VE3_DzZ^2 VE3_Dzp + 0.0000 * VE3_DzZ^2 ATSC1pe + 0.0000 * VE3_DzZ^2 AATS2dv - 0.0000 * VE3_DzZ^2 ETA_shape_p + 0.0001 * VE3_DzZ^2 VE3_A + 0.0001 * VE3_DzZ^2 SssS + 0.0000 * VE3_DzZ^2 fMF - 0.0001 * VE3_DzZ^2 SpAD_Dzv - 0.0000 * VE3_DzZ^2 n3HRing - 0.0000 * VE3_DzZ^2 n3AHRing - 0.0000 * VE3_DzZ^2 JGT10 + 0.0000 * VE3_DzZ AATSC1dv^2 + 0.0000 * VE3_DzZ AATSC1dv VE3_Dzm + 0.0000 * VE3_DzZ AATSC1dv VE3_Dzpe + 0.0000 * VE3_DzZ AATSC1dv VE3_Dzi + 0.0000 * VE3_DzZ AATSC1dv VE3_D + 0.0001 * VE3_DzZ AATSC1dv VE3_Dzv - 0.0001 * VE3_DzZ AATSC1dv GATS1pe + 0.0001 * VE3_DzZ AATSC1dv VE3_Dzp + 0.0000 * VE3_DzZ AATSC1dv ATSC1pe - 0.0000 * VE3_DzZ AATSC1dv AATS2dv - 0.0000 * VE3_DzZ AATSC1dv ETA_shape_p - 0.0000 * VE3_DzZ AATSC1dv VE3_A + 0.0000 * VE3_DzZ AATSC1dv SssS - 0.0000 * VE3_DzZ AATSC1dv fMF + 0.0000 * VE3_DzZ AATSC1dv SpAD_Dzv - 0.0001 * VE3_DzZ AATSC1dv n3HRing - 0.0001 * VE3_DzZ AATSC1dv n3AHRing - 0.0001 * VE3_DzZ AATSC1dv JGT10 + 0.0001 * VE3_DzZ VE3_Dzm^2 + 0.0000 * VE3_DzZ VE3_Dzm VE3_Dzpe + 0.0000 * VE3_DzZ VE3_Dzm VE3_Dzi + 0.0000 * VE3_DzZ VE3_Dzm VE3_D + 0.0001 * VE3_DzZ VE3_Dzm VE3_Dzv - 0.0001 * VE3_DzZ VE3_Dzm GATS1pe + 0.0001 * VE3_DzZ VE3_Dzm VE3_Dzp + 0.0000 * VE3_DzZ VE3_Dzm ATSC1pe + 0.0000 * VE3_DzZ VE3_Dzm AATS2dv - 0.0000 * VE3_DzZ VE3_Dzm ETA_shape_p + 0.0001 * VE3_DzZ VE3_Dzm VE3_A + 0.0001 * VE3_DzZ VE3_Dzm SssS + 0.0000 * VE3_DzZ VE3_Dzm fMF - 0.0001 * VE3_DzZ VE3_Dzm SpAD_Dzv - 0.0000 * VE3_DzZ VE3_Dzm n3HRing - 0.0000 * VE3_DzZ VE3_Dzm n3AHRing - 0.0000 * VE3_DzZ VE3_Dzm JGT10 - 0.0000 * VE3_DzZ VE3_Dzpe^2 - 0.0000 * VE3_DzZ VE3_Dzpe VE3_Dzi - 0.0000 * VE3_DzZ VE3_Dzpe VE3_D - 0.0000 * VE3_DzZ VE3_Dzpe VE3_Dzv - 0.0001 * VE3_DzZ VE3_Dzpe GATS1pe + 0.0000 * VE3_DzZ VE3_Dzpe VE3_Dzp + 0.0000 * VE3_DzZ VE3_Dzpe ATSC1pe + 0.0000 * VE3_DzZ VE3_Dzpe AATS2dv + 0.0000 * VE3_DzZ VE3_Dzpe ETA_shape_p - 0.0000 * VE3_DzZ VE3_Dzpe VE3_A + 0.0001 * VE3_DzZ VE3_Dzpe SssS + 0.0000 * VE3_DzZ VE3_Dzpe fMF + 0.0000 * VE3_DzZ VE3_Dzpe SpAD_Dzv - 0.0000 * VE3_DzZ VE3_Dzpe n3HRing - 0.0000 * VE3_DzZ VE3_Dzpe n3AHRing - 0.0000 * VE3_DzZ VE3_Dzpe JGT10 - 0.0000 * VE3_DzZ VE3_Dzi^2 - 0.0000 * VE3_DzZ VE3_Dzi VE3_D - 0.0000 * VE3_DzZ VE3_Dzi VE3_Dzv - 0.0001 * VE3_DzZ VE3_Dzi GATS1pe - 0.0000 * VE3_DzZ VE3_Dzi VE3_Dzp + 0.0000 * VE3_DzZ VE3_Dzi ATSC1pe + 0.0000 * VE3_DzZ VE3_Dzi AATS2dv + 0.0000 * VE3_DzZ VE3_Dzi ETA_shape_p - 0.0000 * VE3_DzZ VE3_Dzi VE3_A + 0.0001 * VE3_DzZ VE3_Dzi SssS + 0.0000 * VE3_DzZ VE3_Dzi fMF + 0.0001 * VE3_DzZ VE3_Dzi SpAD_Dzv - 0.0000 * VE3_DzZ VE3_Dzi n3HRing - 0.0000 * VE3_DzZ VE3_Dzi n3AHRing - 0.0000 * VE3_DzZ VE3_Dzi JGT10 - 0.0000 * VE3_DzZ VE3_D^2 - 0.0000 * VE3_DzZ VE3_D VE3_Dzv - 0.0001 * VE3_DzZ VE3_D GATS1pe - 0.0000 * VE3_DzZ VE3_D VE3_Dzp + 0.0000 * VE3_DzZ VE3_D ATSC1pe - 0.0000 * VE3_DzZ VE3_D AATS2dv - 0.0000 * VE3_DzZ VE3_D VE3_A + 0.0001 * VE3_DzZ VE3_D SssS + 0.0000 * VE3_DzZ VE3_D fMF + 0.0000 * VE3_DzZ VE3_D SpAD_Dzv - 0.0000 * VE3_DzZ VE3_D n3HRing - 0.0000 * VE3_DzZ VE3_D n3AHRing - 0.0000 * VE3_DzZ VE3_D JGT10 + 0.0000 * VE3_DzZ VE3_Dzv^2 - 0.0001 * VE3_DzZ VE3_Dzv GATS1pe + 0.0000 * VE3_DzZ VE3_Dzv VE3_Dzp + 0.0000 * VE3_DzZ VE3_Dzv ATSC1pe + 0.0000 * VE3_DzZ VE3_Dzv AATS2dv + 0.0000 * VE3_DzZ VE3_Dzv ETA_shape_p + 0.0000 * VE3_DzZ VE3_Dzv VE3_A + 0.0000 * VE3_DzZ VE3_Dzv SssS + 0.0000 * VE3_DzZ VE3_Dzv fMF - 0.0001 * VE3_DzZ VE3_Dzv SpAD_Dzv - 0.0000 * VE3_DzZ VE3_Dzv n3HRing - 0.0000 * VE3_DzZ VE3_Dzv n3AHRing - 0.0000 * VE3_DzZ VE3_Dzv JGT10 + 0.0002 * VE3_DzZ GATS1pe^2 - 0.0001 * VE3_DzZ GATS1pe VE3_Dzp + 0.0000 * VE3_DzZ GATS1pe ATSC1pe - 0.0000 * VE3_DzZ GATS1pe AATS2dv + 0.0001 * VE3_DzZ GATS1pe ETA_shape_p - 0.0001 * VE3_DzZ GATS1pe VE3_A - 0.0002 * VE3_DzZ GATS1pe SssS - 0.0001 * VE3_DzZ GATS1pe fMF + 0.0002 * VE3_DzZ GATS1pe SpAD_Dzv + 0.0000 * VE3_DzZ GATS1pe n3HRing + 0.0000 * VE3_DzZ GATS1pe n3AHRing + 0.0000 * VE3_DzZ GATS1pe JGT10 + 0.0000 * VE3_DzZ VE3_Dzp^2 - 0.0000 * VE3_DzZ VE3_Dzp ATSC1pe + 0.0000 * VE3_DzZ VE3_Dzp AATS2dv - 0.0000 * VE3_DzZ VE3_Dzp ETA_shape_p + 0.0000 * VE3_DzZ VE3_Dzp VE3_A + 0.0001 * VE3_DzZ VE3_Dzp SssS + 0.0000 * VE3_DzZ VE3_Dzp fMF - 0.0000 * VE3_DzZ VE3_Dzp SpAD_Dzv - 0.0000 * VE3_DzZ VE3_Dzp n3HRing - 0.0000 * VE3_DzZ

$$\begin{aligned}
& \text{VE3_Dzp n3AHRing} - 0.0000 * \text{VE3_DzZ VE3_Dzp JGT10} - 0.0000 * \text{VE3_DzZ ATSC1pe}^2 - 0.0000 * \\
& \text{VE3_DzZ ATSC1pe AATS2dv} + 0.0001 * \text{VE3_DzZ ATSC1pe ETA_shape_p} - 0.0000 * \text{VE3_DzZ ATSC1pe} \\
& \text{VE3_A} - 0.0001 * \text{VE3_DzZ ATSC1pe SssS} - 0.0001 * \text{VE3_DzZ ATSC1pe fMF} + 0.0000 * \text{VE3_DzZ ATSC1pe} \\
& \text{SpAD_Dzv} - 0.0000 * \text{VE3_DzZ ATSC1pe n3HRing} - 0.0000 * \text{VE3_DzZ ATSC1pe n3AHRing} - 0.0000 * \\
& \text{VE3_DzZ ATSC1pe JGT10} - 0.0000 * \text{VE3_DzZ AATS2dv}^2 + 0.0001 * \text{VE3_DzZ AATS2dv ETA_shape_p} - \\
& 0.0000 * \text{VE3_DzZ AATS2dv VE3_A} - 0.0001 * \text{VE3_DzZ AATS2dv SssS} + 0.0000 * \text{VE3_DzZ AATS2dv fMF} \\
& + 0.0000 * \text{VE3_DzZ AATS2dv SpAD_Dzv} - 0.0000 * \text{VE3_DzZ AATS2dv n3HRing} - 0.0000 * \text{VE3_DzZ} \\
& \text{AATS2dv n3AHRing} - 0.0000 * \text{VE3_DzZ AATS2dv JGT10} + 0.0000 * \text{VE3_DzZ ETA_shape_p}^2 - 0.0000 * \\
& \text{VE3_DzZ ETA_shape_p VE3_A} - 0.0001 * \text{VE3_DzZ ETA_shape_p SssS} - 0.0000 * \text{VE3_DzZ ETA_shape_p} \\
& \text{fMF} - 0.0001 * \text{VE3_DzZ ETA_shape_p SpAD_Dzv} - 0.0000 * \text{VE3_DzZ ETA_shape_p n3HRing} - 0.0000 * \\
& \text{VE3_DzZ ETA_shape_p n3AHRing} + 0.0000 * \text{VE3_DzZ ETA_shape_p JGT10} - 0.0000 * \text{VE3_DzZ VE3_A}^2 + \\
& 0.0001 * \text{VE3_DzZ VE3_A SssS} + 0.0000 * \text{VE3_DzZ VE3_A fMF} + 0.0000 * \text{VE3_DzZ VE3_A SpAD_Dzv} - \\
& 0.0000 * \text{VE3_DzZ VE3_A n3HRing} - 0.0000 * \text{VE3_DzZ VE3_A n3AHRing} - 0.0000 * \text{VE3_DzZ VE3_A JGT10} \\
& + 0.0001 * \text{VE3_DzZ SssS}^2 + 0.0000 * \text{VE3_DzZ SssS fMF} + 0.0000 * \text{VE3_DzZ SssS SpAD_Dzv} + 0.0000 * \\
& \text{VE3_DzZ SssS n3HRing} + 0.0000 * \text{VE3_DzZ SssS n3AHRing} + 0.0001 * \text{VE3_DzZ SssS JGT10} + 0.0000 * \\
& \text{VE3_DzZ fMF}^2 + 0.0000 * \text{VE3_DzZ fMF SpAD_Dzv} + 0.0000 * \text{VE3_DzZ fMF n3HRing} + 0.0000 * \text{VE3_DzZ} \\
& \text{fMF n3AHRing} + 0.0000 * \text{VE3_DzZ fMF JGT10} + 0.0000 * \text{VE3_DzZ SpAD_Dzv}^2 - 0.0000 * \text{VE3_DzZ} \\
& \text{SpAD_Dzv n3HRing} - 0.0000 * \text{VE3_DzZ SpAD_Dzv n3AHRing} + 0.0000 * \text{VE3_DzZ SpAD_Dzv JGT10} + \\
& 0.0001 * \text{VE3_DzZ n3HRing}^2 + 0.0001 * \text{VE3_DzZ n3HRing n3AHRing} - 0.0000 * \text{VE3_DzZ n3HRing JGT10} + \\
& 0.0001 * \text{VE3_DzZ n3AHRing}^2 - 0.0000 * \text{VE3_DzZ n3AHRing JGT10} - 0.0000 * \text{VE3_DzZ JGT10}^2 - 0.0002 * \\
& \text{AATSC1dv}^3 + 0.0001 * \text{AATSC1dv}^2 \text{VE3_Dzm} + 0.0000 * \text{AATSC1dv}^2 \text{VE3_Dzpe} + 0.0000 * \text{AATSC1dv}^2 \\
& \text{VE3_Dzi} + 0.0000 * \text{AATSC1dv}^2 \text{VE3_D} + 0.0000 * \text{AATSC1dv}^2 \text{VE3_Dzv} + 0.0001 * \text{AATSC1dv}^2 \\
& \text{GATS1pe} + 0.0000 * \text{AATSC1dv}^2 \text{VE3_Dzp} + 0.0001 * \text{AATSC1dv}^2 \text{ATSC1pe} + 0.0002 * \text{AATSC1dv}^2 \\
& \text{AATS2dv} - 0.0002 * \text{AATSC1dv}^2 \text{ETA_shape_p} - 0.0000 * \text{AATSC1dv}^2 \text{VE3_A} + 0.0001 * \text{AATSC1dv}^2 \text{SssS} \\
& + 0.0001 * \text{AATSC1dv}^2 \text{fMF} - 0.0000 * \text{AATSC1dv}^2 \text{SpAD_Dzv} + 0.0001 * \text{AATSC1dv}^2 \text{n3HRing} + 0.0001 * \\
& \text{AATSC1dv}^2 \text{n3AHRing} + 0.0001 * \text{AATSC1dv}^2 \text{JGT10} + 0.0000 * \text{AATSC1dv VE3_Dzm}^2 + 0.0000 * \\
& \text{AATSC1dv VE3_Dzm VE3_Dzpe} + 0.0000 * \text{AATSC1dv VE3_Dzm VE3_Dzi} + 0.0000 * \text{AATSC1dv VE3_Dzm} \\
& \text{VE3_D} + 0.0001 * \text{AATSC1dv VE3_Dzm VE3_Dzv} - 0.0001 * \text{AATSC1dv VE3_Dzm GATS1pe} + 0.0001 * \\
& \text{AATSC1dv VE3_Dzm VE3_Dzp} + 0.0001 * \text{AATSC1dv VE3_Dzm ATSC1pe} - 0.0001 * \text{AATSC1dv VE3_Dzm} \\
& \text{AATS2dv} - 0.0000 * \text{AATSC1dv VE3_Dzm ETA_shape_p} - 0.0000 * \text{AATSC1dv VE3_Dzm VE3_A} + 0.0000 * \\
& \text{AATSC1dv VE3_Dzm SssS} - 0.0000 * \text{AATSC1dv VE3_Dzm fMF} - 0.0001 * \text{AATSC1dv VE3_Dzm SpAD_Dzv} - \\
& 0.0001 * \text{AATSC1dv VE3_Dzm n3HRing} - 0.0001 * \text{AATSC1dv VE3_Dzm n3AHRing} - 0.0001 * \text{AATSC1dv} \\
& \text{VE3_Dzm JGT10} + 0.0000 * \text{AATSC1dv VE3_Dzpe}^2 + 0.0000 * \text{AATSC1dv VE3_Dzpe VE3_Dzi} + 0.0000 * \\
& \text{AATSC1dv VE3_Dzpe VE3_D} + 0.0001 * \text{AATSC1dv VE3_Dzpe VE3_Dzv} - 0.0000 * \text{AATSC1dv VE3_Dzpe} \\
& \text{GATS1pe} + 0.0001 * \text{AATSC1dv VE3_Dzpe VE3_Dzp} + 0.0000 * \text{AATSC1dv VE3_Dzpe ATSC1pe} + 0.0000 * \\
& \text{AATSC1dv VE3_Dzpe AATS2dv} - 0.0000 * \text{AATSC1dv VE3_Dzpe ETA_shape_p} - 0.0000 * \text{AATSC1dv} \\
& \text{VE3_Dzpe VE3_A} + 0.0000 * \text{AATSC1dv VE3_Dzpe SssS} - 0.0000 * \text{AATSC1dv VE3_Dzpe fMF} + 0.0002 * \\
& \text{AATSC1dv VE3_Dzpe SpAD_Dzv} - 0.0001 * \text{AATSC1dv VE3_Dzpe n3HRing} - 0.0001 * \text{AATSC1dv VE3_Dzpe} \\
& \text{n3AHRing} - 0.0001 * \text{AATSC1dv VE3_Dzpe JGT10} + 0.0000 * \text{AATSC1dv VE3_Dzi}^2 + 0.0000 * \text{AATSC1dv} \\
& \text{VE3_Dzi VE3_D} + 0.0000 * \text{AATSC1dv VE3_Dzi VE3_Dzv} - 0.0000 * \text{AATSC1dv VE3_Dzi GATS1pe} + 0.0000 \\
& * \text{AATSC1dv VE3_Dzi VE3_Dzp} + 0.0000 * \text{AATSC1dv VE3_Dzi ATSC1pe} - 0.0000 * \text{AATSC1dv VE3_Dzi} \\
& \text{AATS2dv} - 0.0000 * \text{AATSC1dv VE3_Dzi ETA_shape_p} - 0.0000 * \text{AATSC1dv VE3_Dzi VE3_A} + 0.0000 * \\
& \text{AATSC1dv VE3_Dzi SssS} - 0.0000 * \text{AATSC1dv VE3_Dzi fMF} - 0.0004 * \text{AATSC1dv VE3_Dzi SpAD_Dzv} - \\
& 0.0001 * \text{AATSC1dv VE3_Dzi n3HRing} - 0.0001 * \text{AATSC1dv VE3_Dzi n3AHRing} - 0.0001 * \text{AATSC1dv} \\
& \text{VE3_Dzi JGT10} + 0.0000 * \text{AATSC1dv VE3_D}^2 + 0.0001 * \text{AATSC1dv VE3_D VE3_Dzv} - 0.0000 * \\
& \text{AATSC1dv VE3_D GATS1pe} + 0.0000 * \text{AATSC1dv VE3_D VE3_Dzp} + 0.0000 * \text{AATSC1dv VE3_D ATSC1pe} \\
& + 0.0000 * \text{AATSC1dv VE3_D AATS2dv} - 0.0000 * \text{AATSC1dv VE3_D ETA_shape_p} - 0.0000 * \text{AATSC1dv} \\
& \text{VE3_D VE3_A} + 0.0000 * \text{AATSC1dv VE3_D SssS} - 0.0000 * \text{AATSC1dv VE3_D fMF} - 0.0002 * \text{AATSC1dv} \\
& \text{VE3_D SpAD_Dzv} - 0.0001 * \text{AATSC1dv VE3_D n3HRing} - 0.0001 * \text{AATSC1dv VE3_D n3AHRing} - 0.0001 * \\
& \text{AATSC1dv VE3_D JGT10} + 0.0001 * \text{AATSC1dv VE3_Dzv}^2 - 0.0000 * \text{AATSC1dv VE3_Dzv GATS1pe} + \\
& 0.0001 * \text{AATSC1dv VE3_Dzv VE3_Dzp} + 0.0000 * \text{AATSC1dv VE3_Dzv ATSC1pe} + 0.0001 * \text{AATSC1dv} \\
& \text{VE3_Dzv AATS2dv} - 0.0000 * \text{AATSC1dv VE3_Dzv ETA_shape_p} + 0.0000 * \text{AATSC1dv VE3_Dzv VE3_A} + \\
& 0.0000 * \text{AATSC1dv VE3_Dzv SssS} - 0.0000 * \text{AATSC1dv VE3_Dzv fMF} + 0.0005 * \text{AATSC1dv VE3_Dzv} \\
& \text{SpAD_Dzv} - 0.0001 * \text{AATSC1dv VE3_Dzv n3HRing} - 0.0001 * \text{AATSC1dv VE3_Dzv n3AHRing} - 0.0001 * \\
& \text{AATSC1dv VE3_Dzv JGT10} - 0.0000 * \text{AATSC1dv GATS1pe}^2 - 0.0000 * \text{AATSC1dv GATS1pe VE3_Dzp} + \\
& 0.0000 * \text{AATSC1dv GATS1pe ATSC1pe} + 0.0001 * \text{AATSC1dv GATS1pe AATS2dv} - 0.0000 * \text{AATSC1dv} \\
& \text{GATS1pe ETA_shape_p} - 0.0001 * \text{AATSC1dv GATS1pe VE3_A} - 0.0001 * \text{AATSC1dv GATS1pe SssS} - 0.0000 \\
& * \text{AATSC1dv GATS1pe fMF} + 0.0000 * \text{AATSC1dv GATS1pe SpAD_Dzv} + 0.0001 * \text{AATSC1dv GATS1pe} \\
& \text{n3HRing} + 0.0001 * \text{AATSC1dv GATS1pe n3AHRing} + 0.0001 * \text{AATSC1dv GATS1pe JGT10} + 0.0001 * \\
& \text{AATSC1dv VE3_Dzp}^2 - 0.0000 * \text{AATSC1dv VE3_Dzp ATSC1pe} + 0.0001 * \text{AATSC1dv VE3_Dzp AATS2dv} - \\
& 0.0000 * \text{AATSC1dv VE3_Dzp ETA_shape_p} + 0.0000 * \text{AATSC1dv VE3_Dzp VE3_A} + 0.0000 * \text{AATSC1dv} \\
& \text{VE3_Dzp SssS} - 0.0000 * \text{AATSC1dv VE3_Dzp fMF} - 0.0001 * \text{AATSC1dv VE3_Dzp SpAD_Dzv} - 0.0001 *
\end{aligned}$$

AATSC1dv VE3_Dzp n3HRRing - 0.0001 * AATSC1dv VE3_Dzp n3AHRing - 0.0001 * AATSC1dv VE3_Dzp
 JGT10 - 0.0000 * AATSC1dv ATSC1pe^2 - 0.0003 * AATSC1dv ATSC1pe AATS2dv + 0.0001 * AATSC1dv
 ATSC1pe ETA_shape_p + 0.0000 * AATSC1dv ATSC1pe VE3_A + 0.0001 * AATSC1dv ATSC1pe SssS - 0.0001
 * AATSC1dv ATSC1pe fMF - 0.0000 * AATSC1dv ATSC1pe n3HRRing - 0.0000 * AATSC1dv ATSC1pe
 n3AHRing + 0.0000 * AATSC1dv ATSC1pe JGT10 - 0.0001 * AATSC1dv AATS2dv^2 + 0.0001 * AATSC1dv
 AATS2dv ETA_shape_p + 0.0001 * AATSC1dv AATS2dv VE3_A + 0.0000 * AATSC1dv AATS2dv SssS +
 0.0001 * AATSC1dv AATS2dv fMF + 0.0000 * AATSC1dv AATS2dv n3HRRing + 0.0000 * AATSC1dv AATS2dv
 n3AHRing - 0.0002 * AATSC1dv AATS2dv JGT10 - 0.0001 * AATSC1dv ETA_shape_p^2 - 0.0000 * AATSC1dv
 ETA_shape_p VE3_A + 0.0001 * AATSC1dv ETA_shape_p SssS - 0.0000 * AATSC1dv ETA_shape_p fMF -
 0.0000 * AATSC1dv ETA_shape_p SpAD_Dzv + 0.0001 * AATSC1dv ETA_shape_p n3HRRing + 0.0001 *
 AATSC1dv ETA_shape_p n3AHRing - 0.0000 * AATSC1dv ETA_shape_p JGT10 - 0.0001 * AATSC1dv
 VE3_A^2 - 0.0001 * AATSC1dv VE3_A SssS + 0.0000 * AATSC1dv VE3_A fMF + 0.0000 * AATSC1dv VE3_A
 SpAD_Dzv - 0.0001 * AATSC1dv VE3_A n3HRRing - 0.0001 * AATSC1dv VE3_A n3AHRing - 0.0001 *
 AATSC1dv VE3_A JGT10 - 0.0000 * AATSC1dv SssS^2 - 0.0001 * AATSC1dv SssS fMF - 0.0000 * AATSC1dv
 SssS SpAD_Dzv - 0.0000 * AATSC1dv SssS n3HRRing - 0.0000 * AATSC1dv SssS n3AHRing + 0.0001 *
 AATSC1dv SssS JGT10 + 0.0001 * AATSC1dv fMF^2 - 0.0000 * AATSC1dv fMF SpAD_Dzv - 0.0000 *
 AATSC1dv fMF n3HRRing - 0.0000 * AATSC1dv fMF n3AHRing - 0.0000 * AATSC1dv fMF JGT10 + 0.0000 *
 AATSC1dv SpAD_Dzv JGT10 - 0.0000 * AATSC1dv n3HRRing^2 - 0.0000 * AATSC1dv n3HRRing n3AHRing +
 0.0001 * AATSC1dv n3HRRing JGT10 - 0.0000 * AATSC1dv n3AHRing^2 + 0.0001 * AATSC1dv n3AHRing
 JGT10 - 0.0001 * AATSC1dv JGT10^2 + 0.0001 * VE3_Dzm^3 + 0.0000 * VE3_Dzm^2 VE3_Dzpe + 0.0000 *
 VE3_Dzm^2 VE3_Dzi + 0.0000 * VE3_Dzm^2 VE3_D + 0.0001 * VE3_Dzm^2 VE3_Dzv - 0.0001 *
 VE3_Dzm^2 GATS1pe + 0.0001 * VE3_Dzm^2 VE3_Dzp + 0.0000 * VE3_Dzm^2 ATSC1pe - 0.0000 *
 VE3_Dzm^2 ETA_shape_p + 0.0001 * VE3_Dzm^2 VE3_A + 0.0001 * VE3_Dzm^2 SssS + 0.0000 *
 VE3_Dzm^2 fMF - 0.0002 * VE3_Dzm^2 SpAD_Dzv - 0.0000 * VE3_Dzm^2 n3HRRing - 0.0000 * VE3_Dzm^2
 n3AHRing - 0.0000 * VE3_Dzm^2 JGT10 - 0.0000 * VE3_Dzm VE3_Dzpe^2 - 0.0000 * VE3_Dzm VE3_Dzpe
 VE3_Dzi - 0.0000 * VE3_Dzm VE3_Dzpe VE3_D - 0.0000 * VE3_Dzm VE3_Dzpe VE3_Dzv - 0.0001 *
 VE3_Dzm VE3_Dzpe GATS1pe + 0.0000 * VE3_Dzm VE3_Dzpe VE3_Dzp + 0.0000 * VE3_Dzm VE3_Dzpe
 ATSC1pe + 0.0000 * VE3_Dzm VE3_Dzpe AATS2dv + 0.0000 * VE3_Dzm VE3_Dzpe ETA_shape_p - 0.0000 *
 VE3_Dzm VE3_Dzpe VE3_A + 0.0001 * VE3_Dzm VE3_Dzpe SssS + 0.0000 * VE3_Dzm VE3_Dzpe fMF -
 0.0000 * VE3_Dzm VE3_Dzpe SpAD_Dzv - 0.0000 * VE3_Dzm VE3_Dzpe n3HRRing - 0.0000 * VE3_Dzm
 VE3_Dzpe n3AHRing - 0.0000 * VE3_Dzm VE3_Dzpe JGT10 - 0.0000 * VE3_Dzm VE3_Dzi^2 - 0.0000 *
 VE3_Dzm VE3_Dzi VE3_D - 0.0000 * VE3_Dzm VE3_Dzi VE3_Dzv - 0.0001 * VE3_Dzm VE3_Dzi GATS1pe -
 0.0000 * VE3_Dzm VE3_Dzi VE3_Dzp + 0.0000 * VE3_Dzm VE3_Dzi ATSC1pe + 0.0000 * VE3_Dzm
 VE3_Dzi AATS2dv + 0.0000 * VE3_Dzm VE3_Dzi ETA_shape_p - 0.0000 * VE3_Dzm VE3_Dzi VE3_A +
 0.0001 * VE3_Dzm VE3_Dzi SssS + 0.0000 * VE3_Dzm VE3_Dzi fMF + 0.0000 * VE3_Dzm VE3_Dzi
 SpAD_Dzv - 0.0000 * VE3_Dzm VE3_Dzi n3HRRing - 0.0000 * VE3_Dzm VE3_Dzi n3AHRing - 0.0000 *
 VE3_Dzm VE3_Dzi JGT10 - 0.0000 * VE3_Dzm VE3_D^2 - 0.0000 * VE3_Dzm VE3_D VE3_Dzv - 0.0001 *
 VE3_Dzm VE3_D GATS1pe - 0.0000 * VE3_Dzm VE3_D VE3_Dzp + 0.0000 * VE3_Dzm VE3_D ATSC1pe -
 0.0000 * VE3_Dzm VE3_D AATS2dv - 0.0000 * VE3_Dzm VE3_D ETA_shape_p - 0.0000 * VE3_Dzm VE3_D
 VE3_A + 0.0001 * VE3_Dzm VE3_D SssS + 0.0000 * VE3_Dzm VE3_D fMF - 0.0000 * VE3_Dzm VE3_D
 SpAD_Dzv - 0.0000 * VE3_Dzm VE3_D n3HRRing - 0.0000 * VE3_Dzm VE3_D n3AHRing - 0.0000 * VE3_Dzm
 VE3_D JGT10 + 0.0000 * VE3_Dzm VE3_Dzv^2 - 0.0001 * VE3_Dzm VE3_Dzv GATS1pe + 0.0000 *
 VE3_Dzm VE3_Dzv VE3_Dzp + 0.0000 * VE3_Dzm VE3_Dzv ATSC1pe + 0.0000 * VE3_Dzm VE3_Dzv
 AATS2dv + 0.0000 * VE3_Dzm VE3_Dzv VE3_A + 0.0000 * VE3_Dzm VE3_Dzv SssS + 0.0000 * VE3_Dzm
 VE3_Dzv fMF - 0.0001 * VE3_Dzm VE3_Dzv SpAD_Dzv - 0.0000 * VE3_Dzm VE3_Dzv n3HRRing - 0.0000 *
 VE3_Dzm VE3_Dzv n3AHRing - 0.0000 * VE3_Dzm VE3_Dzv JGT10 + 0.0003 * VE3_Dzm GATS1pe^2 -
 0.0001 * VE3_Dzm GATS1pe VE3_Dzp + 0.0000 * VE3_Dzm GATS1pe ATSC1pe - 0.0000 * VE3_Dzm
 GATS1pe AATS2dv + 0.0001 * VE3_Dzm GATS1pe ETA_shape_p - 0.0001 * VE3_Dzm GATS1pe VE3_A -
 0.0002 * VE3_Dzm GATS1pe SssS - 0.0001 * VE3_Dzm GATS1pe fMF + 0.0003 * VE3_Dzm GATS1pe
 SpAD_Dzv + 0.0000 * VE3_Dzm GATS1pe n3HRRing + 0.0000 * VE3_Dzm GATS1pe n3AHRing + 0.0001 *
 VE3_Dzm GATS1pe JGT10 + 0.0000 * VE3_Dzm VE3_Dzp^2 - 0.0000 * VE3_Dzm VE3_Dzp ATSC1pe +
 0.0000 * VE3_Dzm VE3_Dzp AATS2dv - 0.0000 * VE3_Dzm VE3_Dzp ETA_shape_p + 0.0000 * VE3_Dzm
 VE3_Dzp VE3_A + 0.0001 * VE3_Dzm VE3_Dzp SssS + 0.0000 * VE3_Dzm VE3_Dzp fMF - 0.0001 *
 VE3_Dzm VE3_Dzp SpAD_Dzv - 0.0000 * VE3_Dzm VE3_Dzp n3HRRing - 0.0000 * VE3_Dzm VE3_Dzp
 n3AHRing - 0.0000 * VE3_Dzm VE3_Dzp JGT10 - 0.0000 * VE3_Dzm ATSC1pe^2 - 0.0000 * VE3_Dzm
 ATSC1pe AATS2dv + 0.0001 * VE3_Dzm ATSC1pe ETA_shape_p - 0.0000 * VE3_Dzm ATSC1pe VE3_A -
 0.0001 * VE3_Dzm ATSC1pe SssS - 0.0001 * VE3_Dzm ATSC1pe fMF - 0.0001 * VE3_Dzm ATSC1pe
 SpAD_Dzv - 0.0000 * VE3_Dzm ATSC1pe n3HRRing - 0.0000 * VE3_Dzm ATSC1pe n3AHRing - 0.0000 *
 VE3_Dzm ATSC1pe JGT10 + 0.0000 * VE3_Dzm AATS2dv^2 + 0.0001 * VE3_Dzm AATS2dv ETA_shape_p -
 0.0000 * VE3_Dzm AATS2dv VE3_A - 0.0001 * VE3_Dzm AATS2dv SssS + 0.0000 * VE3_Dzm AATS2dv fMF
 + 0.0000 * VE3_Dzm AATS2dv SpAD_Dzv - 0.0000 * VE3_Dzm AATS2dv n3HRRing - 0.0000 * VE3_Dzm
 AATS2dv n3AHRing - 0.0000 * VE3_Dzm AATS2dv JGT10 + 0.0000 * VE3_Dzm ETA_shape_p^2 - 0.0000 *

$$\begin{aligned}
& \text{VE3_Dzm ETA_shape_p VE3_A} - 0.0001 * \text{VE3_Dzm ETA_shape_p SssS} - 0.0000 * \text{VE3_Dzm ETA_shape_p fMF} \\
& - 0.0001 * \text{VE3_Dzm ETA_shape_p SpAD_Dzv} - 0.0000 * \text{VE3_Dzm ETA_shape_p n3HRing} - 0.0000 * \text{VE3_Dzm ETA_shape_p n3AHRing} \\
& + 0.0000 * \text{VE3_Dzm ETA_shape_p JGT10} - 0.0000 * \text{VE3_Dzm VE3_A}^2 + 0.0001 * \text{VE3_Dzm VE3_A SssS} + 0.0000 * \text{VE3_Dzm VE3_A fMF} \\
& - 0.0000 * \text{VE3_Dzm VE3_A SpAD_Dzv} - 0.0000 * \text{VE3_Dzm VE3_A n3HRing} - 0.0000 * \text{VE3_Dzm VE3_A n3AHRing} - 0.0000 * \text{VE3_Dzm VE3_A JGT10} \\
& + 0.0001 * \text{VE3_Dzm SssS}^2 + 0.0000 * \text{VE3_Dzm SssS fMF} + 0.0000 * \text{VE3_Dzm SssS SpAD_Dzv} + 0.0000 * \text{VE3_Dzm SssS n3HRing} + 0.0000 * \text{VE3_Dzm SssS n3AHRing} \\
& + 0.0001 * \text{VE3_Dzm SssS JGT10} + 0.0000 * \text{VE3_Dzm fMF}^2 + 0.0000 * \text{VE3_Dzm fMF SpAD_Dzv} + 0.0000 * \text{VE3_Dzm fMF n3HRing} + 0.0000 * \text{VE3_Dzm fMF n3AHRing} \\
& + 0.0000 * \text{VE3_Dzm fMF JGT10} - 0.0000 * \text{VE3_Dzm SpAD_Dzv n3HRing} - 0.0000 * \text{VE3_Dzm SpAD_Dzv n3AHRing} + 0.0001 * \text{VE3_Dzm SpAD_Dzv JGT10} \\
& + 0.0001 * \text{VE3_Dzm n3HRing}^2 + 0.0001 * \text{VE3_Dzm n3HRing n3AHRing} - 0.0000 * \text{VE3_Dzm n3HRing JGT10} + 0.0001 * \text{VE3_Dzm n3AHRing}^2 \\
& - 0.0000 * \text{VE3_Dzm n3AHRing JGT10} - 0.0000 * \text{VE3_Dzm JGT10}^2 - 0.0001 * \text{VE3_Dzpe}^3 - 0.0001 * \text{VE3_Dzpe}^2 \text{VE3_Dzi} - 0.0001 * \text{VE3_Dzpe}^2 \text{VE3_D} - 0.0001 * \text{VE3_Dzpe}^2 \text{VE3_Dzv} \\
& - 0.0000 * \text{VE3_Dzpe}^2 \text{GATS1pe} - 0.0000 * \text{VE3_Dzpe}^2 \text{VE3_Dzp} + 0.0000 * \text{VE3_Dzpe}^2 \text{ATSC1pe} + 0.0001 * \text{VE3_Dzpe}^2 \text{AATS2dv} + 0.0001 * \text{VE3_Dzpe}^2 \text{ETA_shape_p} - 0.0001 * \text{VE3_Dzpe}^2 \text{VE3_A} \\
& + 0.0000 * \text{VE3_Dzpe}^2 \text{SssS} + 0.0000 * \text{VE3_Dzpe}^2 \text{fMF} + 0.0001 * \text{VE3_Dzpe}^2 \text{SpAD_Dzv} - 0.0000 * \text{VE3_Dzpe}^2 \text{n3HRing} - 0.0000 * \text{VE3_Dzpe}^2 \text{n3AHRing} - 0.0000 * \text{VE3_Dzpe}^2 \text{JGT10} \\
& - 0.0001 * \text{VE3_Dzpe VE3_Dzi}^2 - 0.0001 * \text{VE3_Dzpe VE3_Dzi VE3_D} - 0.0001 * \text{VE3_Dzpe VE3_Dzi VE3_Dzv} - 0.0000 * \text{VE3_Dzpe VE3_Dzi GATS1pe} - 0.0001 * \text{VE3_Dzpe VE3_Dzi VE3_Dzp} \\
& + 0.0000 * \text{VE3_Dzpe VE3_Dzi ATSC1pe} + 0.0000 * \text{VE3_Dzpe VE3_Dzi AATS2dv} + 0.0000 * \text{VE3_Dzpe VE3_Dzi ETA_shape_p} - 0.0001 * \text{VE3_Dzpe VE3_Dzi VE3_A} + 0.0000 * \text{VE3_Dzpe VE3_Dzi SssS} \\
& + 0.0000 * \text{VE3_Dzpe VE3_Dzi fMF} + 0.0001 * \text{VE3_Dzpe VE3_Dzi SpAD_Dzv} - 0.0000 * \text{VE3_Dzpe VE3_Dzi n3HRing} - 0.0000 * \text{VE3_Dzpe VE3_Dzi n3AHRing} - 0.0000 * \text{VE3_Dzpe VE3_Dzi JGT10} \\
& - 0.0001 * \text{VE3_Dzpe VE3_D}^2 - 0.0001 * \text{VE3_Dzpe VE3_D VE3_Dzv} - 0.0000 * \text{VE3_Dzpe VE3_D GATS1pe} - 0.0001 * \text{VE3_Dzpe VE3_D VE3_Dzp} + 0.0000 * \text{VE3_Dzpe VE3_D ATSC1pe} \\
& + 0.0000 * \text{VE3_Dzpe VE3_D AATS2dv} + 0.0000 * \text{VE3_Dzpe VE3_D ETA_shape_p} - 0.0001 * \text{VE3_Dzpe VE3_D VE3_A} + 0.0000 * \text{VE3_Dzpe VE3_D SssS} + 0.0000 * \text{VE3_Dzpe VE3_D fMF} \\
& + 0.0001 * \text{VE3_Dzpe VE3_D SpAD_Dzv} - 0.0000 * \text{VE3_Dzpe VE3_D n3HRing} - 0.0000 * \text{VE3_Dzpe VE3_D n3AHRing} - 0.0000 * \text{VE3_Dzpe VE3_D JGT10} - 0.0000 * \text{VE3_Dzpe VE3_Dzv}^2 \\
& - 0.0000 * \text{VE3_Dzpe VE3_Dzv GATS1pe} - 0.0000 * \text{VE3_Dzpe VE3_Dzv VE3_Dzp} + 0.0000 * \text{VE3_Dzpe VE3_Dzv ATSC1pe} + 0.0001 * \text{VE3_Dzpe VE3_Dzv AATS2dv} + 0.0000 * \text{VE3_Dzpe VE3_Dzv ETA_shape_p} \\
& - 0.0000 * \text{VE3_Dzpe VE3_Dzv VE3_A} + 0.0000 * \text{VE3_Dzpe VE3_Dzv SssS} + 0.0000 * \text{VE3_Dzpe VE3_Dzv fMF} - 0.0001 * \text{VE3_Dzpe VE3_Dzv SpAD_Dzv} - 0.0000 * \text{VE3_Dzpe VE3_Dzv n3HRing} \\
& - 0.0000 * \text{VE3_Dzpe VE3_Dzv n3AHRing} - 0.0000 * \text{VE3_Dzpe VE3_Dzv JGT10} + 0.0001 * \text{VE3_Dzpe GATS1pe}^2 - 0.0000 * \text{VE3_Dzpe GATS1pe VE3_Dzp} + 0.0001 * \text{VE3_Dzpe GATS1pe ATSC1pe} \\
& - 0.0000 * \text{VE3_Dzpe GATS1pe AATS2dv} + 0.0001 * \text{VE3_Dzpe GATS1pe ETA_shape_p} - 0.0000 * \text{VE3_Dzpe GATS1pe VE3_A} - 0.0002 * \text{VE3_Dzpe GATS1pe SssS} - 0.0001 * \text{VE3_Dzpe GATS1pe fMF} \\
& - 0.0001 * \text{VE3_Dzpe GATS1pe SpAD_Dzv} + 0.0000 * \text{VE3_Dzpe GATS1pe n3HRing} + 0.0000 * \text{VE3_Dzpe GATS1pe n3AHRing} + 0.0000 * \text{VE3_Dzpe GATS1pe JGT10} - 0.0000 * \text{VE3_Dzpe VE3_Dzp}^2 \\
& + 0.0000 * \text{VE3_Dzpe VE3_Dzp ATSC1pe} + 0.0000 * \text{VE3_Dzpe VE3_Dzp AATS2dv} + 0.0000 * \text{VE3_Dzpe VE3_Dzp ETA_shape_p} - 0.0000 * \text{VE3_Dzpe VE3_Dzp VE3_A} + 0.0001 * \text{VE3_Dzpe VE3_Dzp SssS} \\
& + 0.0000 * \text{VE3_Dzpe VE3_Dzp fMF} + 0.0001 * \text{VE3_Dzpe VE3_Dzp SpAD_Dzv} - 0.0000 * \text{VE3_Dzpe VE3_Dzp n3HRing} - 0.0000 * \text{VE3_Dzpe VE3_Dzp n3AHRing} - 0.0000 * \text{VE3_Dzpe VE3_Dzp JGT10} \\
& - 0.0001 * \text{VE3_Dzpe ATSC1pe}^2 + 0.0001 * \text{VE3_Dzpe ATSC1pe AATS2dv} + 0.0002 * \text{VE3_Dzpe ATSC1pe ETA_shape_p} - 0.0000 * \text{VE3_Dzpe ATSC1pe VE3_A} - 0.0001 * \text{VE3_Dzpe ATSC1pe SssS} \\
& - 0.0001 * \text{VE3_Dzpe ATSC1pe fMF} - 0.0000 * \text{VE3_Dzpe ATSC1pe SpAD_Dzv} - 0.0000 * \text{VE3_Dzpe ATSC1pe n3HRing} - 0.0000 * \text{VE3_Dzpe ATSC1pe n3AHRing} - 0.0000 * \text{VE3_Dzpe ATSC1pe JGT10} \\
& + 0.0001 * \text{VE3_Dzpe AATS2dv}^2 + 0.0001 * \text{VE3_Dzpe AATS2dv ETA_shape_p} + 0.0000 * \text{VE3_Dzpe AATS2dv VE3_A} - 0.0001 * \text{VE3_Dzpe AATS2dv SssS} + 0.0001 * \text{VE3_Dzpe AATS2dv fMF} \\
& + 0.0000 * \text{VE3_Dzpe AATS2dv SpAD_Dzv} - 0.0000 * \text{VE3_Dzpe AATS2dv n3HRing} - 0.0000 * \text{VE3_Dzpe AATS2dv n3AHRing} - 0.0000 * \text{VE3_Dzpe AATS2dv JGT10} - 0.0000 * \text{VE3_Dzpe ETA_shape_p}^2 \\
& + 0.0000 * \text{VE3_Dzpe ETA_shape_p VE3_A} - 0.0001 * \text{VE3_Dzpe ETA_shape_p SssS} - 0.0000 * \text{VE3_Dzpe ETA_shape_p fMF} + 0.0001 * \text{VE3_Dzpe ETA_shape_p SpAD_Dzv} - 0.0000 * \text{VE3_Dzpe ETA_shape_p n3HRing} \\
& - 0.0000 * \text{VE3_Dzpe ETA_shape_p n3AHRing} + 0.0000 * \text{VE3_Dzpe ETA_shape_p JGT10} - 0.0001 * \text{VE3_Dzpe VE3_A}^2 + 0.0001 * \text{VE3_Dzpe VE3_A SssS} + 0.0000 * \text{VE3_Dzpe VE3_A fMF} \\
& - 0.0001 * \text{VE3_Dzpe VE3_A SpAD_Dzv} - 0.0000 * \text{VE3_Dzpe VE3_A n3HRing} - 0.0000 * \text{VE3_Dzpe VE3_A n3AHRing} - 0.0000 * \text{VE3_Dzpe VE3_A JGT10} + 0.0000 * \text{VE3_Dzpe SssS}^2 + 0.0000 * \text{VE3_Dzpe SssS fMF} \\
& + 0.0001 * \text{VE3_Dzpe SssS SpAD_Dzv} + 0.0000 * \text{VE3_Dzpe SssS n3HRing} + 0.0000 * \text{VE3_Dzpe SssS n3AHRing} + 0.0000 * \text{VE3_Dzpe SssS JGT10} + 0.0000 * \text{VE3_Dzpe fMF}^2 - 0.0001 * \text{VE3_Dzpe fMF SpAD_Dzv} \\
& + 0.0000 * \text{VE3_Dzpe fMF n3HRing} + 0.0000 * \text{VE3_Dzpe fMF JGT10} - 0.0000 * \text{VE3_Dzpe SpAD_Dzv}^2 - 0.0000 * \text{VE3_Dzpe SpAD_Dzv n3HRing} - 0.0000 * \text{VE3_Dzpe SpAD_Dzv n3AHRing} \\
& + 0.0000 * \text{VE3_Dzpe SpAD_Dzv JGT10} + 0.0001 * \text{VE3_Dzpe n3HRing}^2 + 0.0001 * \text{VE3_Dzpe n3HRing n3AHRing} - 0.0000 * \text{VE3_Dzpe n3HRing JGT10} - 0.0000 * \text{VE3_Dzpe n3HRing JGT10}^2 \\
& - 0.0001 * \text{VE3_Dzi}^3 - 0.0001 * \text{VE3_Dzi}^2 \text{VE3_D} - 0.0001 * \text{VE3_Dzi}^2 \text{VE3_Dzv} -
\end{aligned}$$

0.0000 * VE3_Dzi^2 GATS1pe - 0.0001 * VE3_Dzi^2 VE3_Dzp + 0.0000 * VE3_Dzi^2 ATSC1pe + 0.0000 *
 VE3_Dzi^2 AATS2dv + 0.0000 * VE3_Dzi^2 ETA_shape_p - 0.0001 * VE3_Dzi^2 VE3_A + 0.0000 *
 VE3_Dzi^2 SssS + 0.0000 * VE3_Dzi^2 fMF + 0.0002 * VE3_Dzi^2 SpAD_Dzv - 0.0000 * VE3_Dzi^2 n3HRing
 - 0.0000 * VE3_Dzi^2 n3AHRing - 0.0000 * VE3_Dzi^2 JGT10 - 0.0001 * VE3_Dzi VE3_D^2 - 0.0001 *
 VE3_Dzi VE3_D VE3_Dzv - 0.0000 * VE3_Dzi VE3_D GATS1pe - 0.0001 * VE3_Dzi VE3_D VE3_Dzp +
 0.0000 * VE3_Dzi VE3_D ATSC1pe - 0.0000 * VE3_Dzi VE3_D AATS2dv + 0.0000 * VE3_Dzi VE3_D
 ETA_shape_p - 0.0001 * VE3_Dzi VE3_D VE3_A + 0.0000 * VE3_Dzi VE3_D SssS + 0.0000 * VE3_Dzi VE3_D
 fMF + 0.0001 * VE3_Dzi VE3_D SpAD_Dzv - 0.0000 * VE3_Dzi VE3_D n3HRing - 0.0000 * VE3_Dzi VE3_D
 n3AHRing - 0.0000 * VE3_Dzi VE3_D JGT10 - 0.0001 * VE3_Dzi VE3_Dzv^2 - 0.0000 * VE3_Dzi VE3_Dzv
 GATS1pe - 0.0000 * VE3_Dzi VE3_Dzv VE3_Dzp + 0.0000 * VE3_Dzi VE3_Dzv ATSC1pe + 0.0000 * VE3_Dzi
 VE3_Dzv AATS2dv + 0.0000 * VE3_Dzi VE3_Dzv ETA_shape_p - 0.0000 * VE3_Dzi VE3_Dzv VE3_A +
 0.0000 * VE3_Dzi VE3_Dzv SssS + 0.0000 * VE3_Dzi VE3_Dzv fMF + 0.0000 * VE3_Dzi VE3_Dzv SpAD_Dzv
 - 0.0000 * VE3_Dzi VE3_Dzv n3HRing - 0.0000 * VE3_Dzi VE3_Dzv n3AHRing - 0.0000 * VE3_Dzi VE3_Dzv
 JGT10 + 0.0001 * VE3_Dzi GATS1pe^2 - 0.0001 * VE3_Dzi GATS1pe VE3_Dzp + 0.0001 * VE3_Dzi GATS1pe
 ATSC1pe - 0.0001 * VE3_Dzi GATS1pe AATS2dv + 0.0001 * VE3_Dzi GATS1pe ETA_shape_p - 0.0000 *
 VE3_Dzi GATS1pe VE3_A - 0.0002 * VE3_Dzi GATS1pe SssS - 0.0001 * VE3_Dzi GATS1pe fMF - 0.0003 *
 VE3_Dzi GATS1pe SpAD_Dzv + 0.0000 * VE3_Dzi GATS1pe n3HRing + 0.0000 * VE3_Dzi GATS1pe
 n3AHRing + 0.0000 * VE3_Dzi GATS1pe JGT10 - 0.0000 * VE3_Dzi VE3_Dzp^2 + 0.0000 * VE3_Dzi VE3_Dzp
 ATSC1pe + 0.0000 * VE3_Dzi VE3_Dzp AATS2dv + 0.0000 * VE3_Dzi VE3_Dzp ETA_shape_p - 0.0000 *
 VE3_Dzi VE3_Dzp VE3_A + 0.0001 * VE3_Dzi VE3_Dzp SssS + 0.0000 * VE3_Dzi VE3_Dzp fMF + 0.0001 *
 VE3_Dzi VE3_Dzp SpAD_Dzv - 0.0000 * VE3_Dzi VE3_Dzp n3HRing - 0.0000 * VE3_Dzi VE3_Dzp n3AHRing
 - 0.0000 * VE3_Dzi VE3_Dzp JGT10 - 0.0001 * VE3_Dzi ATSC1pe^2 + 0.0001 * VE3_Dzi ATSC1pe AATS2dv
 + 0.0002 * VE3_Dzi ATSC1pe ETA_shape_p - 0.0000 * VE3_Dzi ATSC1pe VE3_A - 0.0001 * VE3_Dzi
 ATSC1pe SssS - 0.0001 * VE3_Dzi ATSC1pe fMF + 0.0001 * VE3_Dzi ATSC1pe SpAD_Dzv - 0.0000 *
 VE3_Dzi ATSC1pe n3HRing - 0.0000 * VE3_Dzi ATSC1pe n3AHRing - 0.0000 * VE3_Dzi ATSC1pe JGT10 +
 0.0000 * VE3_Dzi AATS2dv^2 + 0.0001 * VE3_Dzi AATS2dv ETA_shape_p - 0.0000 * VE3_Dzi AATS2dv
 VE3_A - 0.0001 * VE3_Dzi AATS2dv SssS + 0.0001 * VE3_Dzi AATS2dv fMF - 0.0002 * VE3_Dzi AATS2dv
 SpAD_Dzv - 0.0000 * VE3_Dzi AATS2dv n3HRing - 0.0000 * VE3_Dzi AATS2dv n3AHRing - 0.0001 *
 VE3_Dzi AATS2dv JGT10 - 0.0000 * VE3_Dzi ETA_shape_p^2 + 0.0000 * VE3_Dzi ETA_shape_p VE3_A -
 0.0001 * VE3_Dzi ETA_shape_p SssS - 0.0000 * VE3_Dzi ETA_shape_p fMF + 0.0001 * VE3_Dzi ETA_shape_p
 SpAD_Dzv - 0.0000 * VE3_Dzi ETA_shape_p n3HRing - 0.0000 * VE3_Dzi ETA_shape_p n3AHRing + 0.0000 *
 VE3_Dzi ETA_shape_p JGT10 - 0.0001 * VE3_Dzi VE3_A^2 + 0.0001 * VE3_Dzi VE3_A SssS + 0.0000 *
 VE3_Dzi VE3_A fMF - 0.0000 * VE3_Dzi VE3_A SpAD_Dzv - 0.0000 * VE3_Dzi VE3_A n3HRing - 0.0000 *
 VE3_Dzi VE3_A n3AHRing - 0.0000 * VE3_Dzi VE3_A JGT10 + 0.0000 * VE3_Dzi SssS^2 + 0.0000 * VE3_Dzi
 SssS fMF - 0.0000 * VE3_Dzi SssS SpAD_Dzv + 0.0000 * VE3_Dzi SssS n3HRing + 0.0000 * VE3_Dzi SssS
 n3AHRing + 0.0000 * VE3_Dzi SssS JGT10 + 0.0000 * VE3_Dzi fMF^2 - 0.0001 * VE3_Dzi fMF SpAD_Dzv +
 0.0000 * VE3_Dzi fMF n3HRing + 0.0000 * VE3_Dzi fMF n3AHRing + 0.0000 * VE3_Dzi fMF JGT10 + 0.0000
 * VE3_Dzi SpAD_Dzv^2 - 0.0000 * VE3_Dzi SpAD_Dzv n3HRing - 0.0000 * VE3_Dzi SpAD_Dzv n3AHRing -
 0.0002 * VE3_Dzi SpAD_Dzv JGT10 + 0.0001 * VE3_Dzi n3HRing^2 + 0.0001 * VE3_Dzi n3HRing n3AHRing -
 0.0000 * VE3_Dzi n3HRing JGT10 + 0.0001 * VE3_Dzi n3AHRing^2 - 0.0000 * VE3_Dzi n3AHRing JGT10 -
 0.0000 * VE3_Dzi JGT10^2 - 0.0001 * VE3_D^3 - 0.0001 * VE3_D^2 VE3_Dzv - 0.0000 * VE3_D^2 GATS1pe -
 0.0001 * VE3_D^2 VE3_Dzp + 0.0000 * VE3_D^2 ATSC1pe - 0.0000 * VE3_D^2 AATS2dv + 0.0000 *
 VE3_D^2 ETA_shape_p - 0.0001 * VE3_D^2 VE3_A + 0.0000 * VE3_D^2 SssS + 0.0000 * VE3_D^2 fMF +
 0.0001 * VE3_D^2 SpAD_Dzv - 0.0000 * VE3_D^2 n3HRing - 0.0000 * VE3_D^2 n3AHRing - 0.0000 *
 VE3_D^2 JGT10 - 0.0001 * VE3_D VE3_Dzv^2 - 0.0000 * VE3_D VE3_Dzv GATS1pe - 0.0000 * VE3_D
 VE3_Dzv VE3_Dzp + 0.0000 * VE3_D VE3_Dzv ATSC1pe + 0.0000 * VE3_D VE3_Dzv AATS2dv + 0.0000 *
 VE3_D VE3_Dzv ETA_shape_p - 0.0000 * VE3_D VE3_Dzv VE3_A + 0.0000 * VE3_D VE3_Dzv SssS + 0.0000
 * VE3_D VE3_Dzv fMF - 0.0000 * VE3_D VE3_Dzv SpAD_Dzv - 0.0000 * VE3_D VE3_Dzv n3HRing - 0.0000
 * VE3_D VE3_Dzv n3AHRing - 0.0000 * VE3_D VE3_Dzv JGT10 + 0.0001 * VE3_D GATS1pe^2 - 0.0001 *
 VE3_D GATS1pe VE3_Dzp + 0.0001 * VE3_D GATS1pe ATSC1pe - 0.0001 * VE3_D GATS1pe AATS2dv +
 0.0001 * VE3_D GATS1pe ETA_shape_p - 0.0000 * VE3_D GATS1pe VE3_A - 0.0002 * VE3_D GATS1pe SssS
 - 0.0001 * VE3_D GATS1pe fMF - 0.0002 * VE3_D GATS1pe SpAD_Dzv + 0.0000 * VE3_D GATS1pe n3HRing
 + 0.0000 * VE3_D GATS1pe n3AHRing + 0.0000 * VE3_D GATS1pe JGT10 - 0.0000 * VE3_D VE3_Dzp^2 +
 0.0000 * VE3_D VE3_Dzp ETA_shape_p - 0.0000 * VE3_D VE3_Dzp VE3_A + 0.0001 * VE3_D VE3_Dzp SssS
 + 0.0000 * VE3_D VE3_Dzp fMF + 0.0001 * VE3_D VE3_Dzp SpAD_Dzv - 0.0000 * VE3_D VE3_Dzp n3HRing
 - 0.0000 * VE3_D VE3_Dzp n3AHRing - 0.0000 * VE3_D VE3_Dzp JGT10 - 0.0001 * VE3_D ATSC1pe^2 +
 0.0001 * VE3_D ATSC1pe AATS2dv + 0.0002 * VE3_D ATSC1pe ETA_shape_p - 0.0000 * VE3_D ATSC1pe
 VE3_A - 0.0000 * VE3_D ATSC1pe SssS - 0.0001 * VE3_D ATSC1pe fMF - 0.0001 * VE3_D ATSC1pe
 SpAD_Dzv - 0.0000 * VE3_D ATSC1pe n3HRing - 0.0000 * VE3_D ATSC1pe n3AHRing + 0.0000 * VE3_D
 AATS2dv^2 + 0.0001 * VE3_D AATS2dv ETA_shape_p - 0.0000 * VE3_D AATS2dv VE3_A - 0.0001 * VE3_D
 AATS2dv SssS + 0.0001 * VE3_D AATS2dv fMF + 0.0001 * VE3_D AATS2dv SpAD_Dzv - 0.0000 * VE3_D
 AATS2dv n3HRing - 0.0000 * VE3_D AATS2dv n3AHRing - 0.0001 * VE3_D AATS2dv JGT10 - 0.0000 *

$$\begin{aligned}
& \text{VE3_D ETA_shape_p}^2 + 0.0000 * \text{VE3_D ETA_shape_p VE3_A} - 0.0001 * \text{VE3_D ETA_shape_p SssS} - 0.0000 \\
& * \text{VE3_D ETA_shape_p fMF} - 0.0001 * \text{VE3_D ETA_shape_p SpAD_Dzv} - 0.0000 * \text{VE3_D ETA_shape_p} \\
& \text{n3HRing} - 0.0000 * \text{VE3_D ETA_shape_p n3AHRing} + 0.0000 * \text{VE3_D ETA_shape_p JGT10} - 0.0001 * \text{VE3_D} \\
& \text{VE3_A}^2 + 0.0001 * \text{VE3_D VE3_A SssS} + 0.0000 * \text{VE3_D VE3_A fMF} - 0.0002 * \text{VE3_D VE3_A SpAD_Dzv} \\
& - 0.0000 * \text{VE3_D VE3_A n3HRing} - 0.0000 * \text{VE3_D VE3_A n3AHRing} - 0.0000 * \text{VE3_D VE3_A JGT10} + \\
& 0.0000 * \text{VE3_D SssS}^2 + 0.0000 * \text{VE3_D SssS fMF} + 0.0001 * \text{VE3_D SssS SpAD_Dzv} + 0.0000 * \text{VE3_D} \\
& \text{SssS n3HRing} + 0.0000 * \text{VE3_D SssS n3AHRing} + 0.0000 * \text{VE3_D SssS JGT10} + 0.0000 * \text{VE3_D fMF}^2 + \\
& 0.0001 * \text{VE3_D fMF SpAD_Dzv} + 0.0000 * \text{VE3_D fMF n3HRing} + 0.0000 * \text{VE3_D fMF n3AHRing} + 0.0000 * \\
& \text{VE3_D fMF JGT10} + 0.0001 * \text{VE3_D SpAD_Dzv n3HRing} + 0.0001 * \text{VE3_D SpAD_Dzv n3AHRing} + 0.0000 * \\
& \text{VE3_D SpAD_Dzv JGT10} + 0.0001 * \text{VE3_D n3HRing}^2 + 0.0001 * \text{VE3_D n3HRing n3AHRing} - 0.0000 * \\
& \text{VE3_D n3HRing JGT10} + 0.0001 * \text{VE3_D n3AHRing}^2 - 0.0000 * \text{VE3_D n3AHRing JGT10} - 0.0000 * \text{VE3_D} \\
& \text{JGT10}^2 - 0.0000 * \text{VE3_Dzv}^3 - 0.0000 * \text{VE3_Dzv}^2 \text{GATS1pe} - 0.0000 * \text{VE3_Dzv}^2 \text{VE3_Dzp} + 0.0000 * \\
& \text{VE3_Dzv}^2 \text{ATSC1pe} + 0.0001 * \text{VE3_Dzv}^2 \text{AATS2dv} + 0.0000 * \text{VE3_Dzv}^2 \text{ETA_shape_p} - 0.0000 * \\
& \text{VE3_Dzv}^2 \text{VE3_A} + 0.0000 * \text{VE3_Dzv}^2 \text{SssS} + 0.0000 * \text{VE3_Dzv}^2 \text{fMF} - 0.0002 * \text{VE3_Dzv}^2 \text{SpAD_Dzv} \\
& - 0.0000 * \text{VE3_Dzv}^2 \text{n3HRing} - 0.0000 * \text{VE3_Dzv}^2 \text{n3AHRing} - 0.0000 * \text{VE3_Dzv}^2 \text{JGT10} + 0.0001 * \\
& \text{VE3_Dzv GATS1pe}^2 - 0.0001 * \text{VE3_Dzv GATS1pe VE3_Dzp} + 0.0001 * \text{VE3_Dzv GATS1pe ATSC1pe} - \\
& 0.0001 * \text{VE3_Dzv GATS1pe AATS2dv} + 0.0001 * \text{VE3_Dzv GATS1pe ETA_shape_p} - 0.0000 * \text{VE3_Dzv} \\
& \text{GATS1pe VE3_A} - 0.0002 * \text{VE3_Dzv GATS1pe SssS} - 0.0001 * \text{VE3_Dzv GATS1pe fMF} - 0.0000 * \text{VE3_Dzv} \\
& \text{GATS1pe SpAD_Dzv} + 0.0000 * \text{VE3_Dzv GATS1pe n3HRing} + 0.0000 * \text{VE3_Dzv GATS1pe n3AHRing} + \\
& 0.0000 * \text{VE3_Dzv GATS1pe JGT10} - 0.0000 * \text{VE3_Dzv VE3_Dzp}^2 - 0.0000 * \text{VE3_Dzv VE3_Dzp ATSC1pe} + \\
& 0.0000 * \text{VE3_Dzv VE3_Dzp AATS2dv} + 0.0000 * \text{VE3_Dzv VE3_Dzp ETA_shape_p} - 0.0000 * \text{VE3_Dzv} \\
& \text{VE3_Dzp VE3_A} + 0.0000 * \text{VE3_Dzv VE3_Dzp SssS} + 0.0000 * \text{VE3_Dzv VE3_Dzp fMF} - 0.0001 * \text{VE3_Dzv} \\
& \text{VE3_Dzp SpAD_Dzv} - 0.0000 * \text{VE3_Dzv VE3_Dzp n3HRing} - 0.0000 * \text{VE3_Dzv VE3_Dzp n3AHRing} - 0.0000 \\
& * \text{VE3_Dzv VE3_Dzp JGT10} - 0.0001 * \text{VE3_Dzv ATSC1pe}^2 + 0.0000 * \text{VE3_Dzv ATSC1pe AATS2dv} + \\
& 0.0002 * \text{VE3_Dzv ATSC1pe ETA_shape_p} - 0.0000 * \text{VE3_Dzv ATSC1pe VE3_A} - 0.0001 * \text{VE3_Dzv} \\
& \text{ATSC1pe SssS} - 0.0001 * \text{VE3_Dzv ATSC1pe fMF} + 0.0001 * \text{VE3_Dzv ATSC1pe SpAD_Dzv} - 0.0000 * \\
& \text{VE3_Dzv ATSC1pe n3HRing} - 0.0000 * \text{VE3_Dzv ATSC1pe n3AHRing} - 0.0000 * \text{VE3_Dzv ATSC1pe JGT10} + \\
& 0.0001 * \text{VE3_Dzv AATS2dv}^2 + 0.0001 * \text{VE3_Dzv AATS2dv ETA_shape_p} + 0.0000 * \text{VE3_Dzv AATS2dv} \\
& \text{VE3_A} - 0.0001 * \text{VE3_Dzv AATS2dv SssS} + 0.0001 * \text{VE3_Dzv AATS2dv fMF} + 0.0002 * \text{VE3_Dzv AATS2dv} \\
& \text{SpAD_Dzv} - 0.0000 * \text{VE3_Dzv AATS2dv n3HRing} - 0.0000 * \text{VE3_Dzv AATS2dv n3AHRing} - 0.0001 * \\
& \text{VE3_Dzv AATS2dv JGT10} - 0.0000 * \text{VE3_Dzv ETA_shape_p}^2 + 0.0000 * \text{VE3_Dzv ETA_shape_p VE3_A} - \\
& 0.0001 * \text{VE3_Dzv ETA_shape_p SssS} - 0.0000 * \text{VE3_Dzv ETA_shape_p fMF} + 0.0001 * \text{VE3_Dzv} \\
& \text{ETA_shape_p SpAD_Dzv} - 0.0000 * \text{VE3_Dzv ETA_shape_p n3HRing} - 0.0000 * \text{VE3_Dzv ETA_shape_p} \\
& \text{n3AHRing} + 0.0000 * \text{VE3_Dzv ETA_shape_p JGT10} - 0.0001 * \text{VE3_Dzv VE3_A}^2 + 0.0001 * \text{VE3_Dzv} \\
& \text{VE3_A SssS} + 0.0000 * \text{VE3_Dzv VE3_A fMF} + 0.0001 * \text{VE3_Dzv VE3_A SpAD_Dzv} - 0.0000 * \text{VE3_Dzv} \\
& \text{VE3_A n3HRing} - 0.0000 * \text{VE3_Dzv VE3_A n3AHRing} - 0.0000 * \text{VE3_Dzv VE3_A JGT10} + 0.0000 * \\
& \text{VE3_Dzv SssS}^2 + 0.0000 * \text{VE3_Dzv SssS fMF} - 0.0003 * \text{VE3_Dzv SssS SpAD_Dzv} + 0.0000 * \text{VE3_Dzv SssS} \\
& \text{n3HRing} + 0.0000 * \text{VE3_Dzv SssS n3AHRing} + 0.0000 * \text{VE3_Dzv SssS JGT10} + 0.0000 * \text{VE3_Dzv fMF}^2 + \\
& 0.0001 * \text{VE3_Dzv fMF SpAD_Dzv} + 0.0000 * \text{VE3_Dzv fMF n3HRing} + 0.0000 * \text{VE3_Dzv fMF n3AHRing} + \\
& 0.0000 * \text{VE3_Dzv fMF JGT10} + 0.0000 * \text{VE3_Dzv SpAD_Dzv}^2 + 0.0000 * \text{VE3_Dzv SpAD_Dzv n3HRing} + \\
& 0.0000 * \text{VE3_Dzv SpAD_Dzv n3AHRing} + 0.0001 * \text{VE3_Dzv SpAD_Dzv JGT10} + 0.0001 * \text{VE3_Dzv} \\
& \text{n3HRing}^2 + 0.0001 * \text{VE3_Dzv n3HRing n3AHRing} - 0.0000 * \text{VE3_Dzv n3HRing JGT10} + 0.0001 * \text{VE3_Dzv} \\
& \text{n3AHRing}^2 - 0.0000 * \text{VE3_Dzv n3AHRing JGT10} - 0.0000 * \text{VE3_Dzv JGT10}^2 + 0.0002 * \text{GATS1pe}^3 + \\
& 0.0001 * \text{GATS1pe}^2 \text{VE3_Dzp} - 0.0002 * \text{GATS1pe}^2 \text{ATSC1pe} - 0.0002 * \text{GATS1pe}^2 \text{AATS2dv} + 0.0003 * \\
& \text{GATS1pe}^2 \text{ETA_shape_p} + 0.0001 * \text{GATS1pe}^2 \text{VE3_A} + 0.0001 * \text{GATS1pe}^2 \text{SssS} - 0.0001 * \text{GATS1pe}^2 \\
& \text{fMF} - 0.0000 * \text{GATS1pe}^2 \text{SpAD_Dzv} + 0.0000 * \text{GATS1pe}^2 \text{n3HRing} + 0.0000 * \text{GATS1pe}^2 \text{n3AHRing} + \\
& 0.0000 * \text{GATS1pe}^2 \text{JGT10} - 0.0001 * \text{GATS1pe VE3_Dzp}^2 + 0.0000 * \text{GATS1pe VE3_Dzp ATSC1pe} - 0.0001 \\
& * \text{GATS1pe VE3_Dzp AATS2dv} + 0.0001 * \text{GATS1pe VE3_Dzp ETA_shape_p} - 0.0000 * \text{GATS1pe VE3_Dzp} \\
& \text{VE3_A} - 0.0002 * \text{GATS1pe VE3_Dzp SssS} - 0.0001 * \text{GATS1pe VE3_Dzp fMF} + 0.0001 * \text{GATS1pe VE3_Dzp} \\
& \text{SpAD_Dzv} + 0.0000 * \text{GATS1pe VE3_Dzp n3HRing} + 0.0000 * \text{GATS1pe VE3_Dzp n3AHRing} + 0.0000 * \\
& \text{GATS1pe VE3_Dzp JGT10} + 0.0002 * \text{GATS1pe ATSC1pe}^2 - 0.0003 * \text{GATS1pe ATSC1pe AATS2dv} - 0.0002 \\
& * \text{GATS1pe ATSC1pe ETA_shape_p} + 0.0000 * \text{GATS1pe ATSC1pe VE3_A} + 0.0000 * \text{GATS1pe ATSC1pe SssS} \\
& + 0.0000 * \text{GATS1pe ATSC1pe fMF} - 0.0000 * \text{GATS1pe ATSC1pe SpAD_Dzv} + 0.0000 * \text{GATS1pe ATSC1pe} \\
& \text{n3HRing} + 0.0000 * \text{GATS1pe ATSC1pe n3AHRing} + 0.0000 * \text{GATS1pe ATSC1pe JGT10} + 0.0005 * \text{GATS1pe} \\
& \text{AATS2dv}^2 - 0.0001 * \text{GATS1pe AATS2dv ETA_shape_p} - 0.0001 * \text{GATS1pe AATS2dv VE3_A} + 0.0001 * \\
& \text{GATS1pe AATS2dv SssS} - 0.0001 * \text{GATS1pe AATS2dv fMF} + 0.0000 * \text{GATS1pe AATS2dv SpAD_Dzv} + \\
& 0.0000 * \text{GATS1pe AATS2dv n3HRing} + 0.0000 * \text{GATS1pe AATS2dv n3AHRing} - 0.0001 * \text{GATS1pe} \\
& \text{AATS2dv JGT10} - 0.0000 * \text{GATS1pe ETA_shape_p}^2 + 0.0001 * \text{GATS1pe ETA_shape_p VE3_A} + 0.0001 * \\
& \text{GATS1pe ETA_shape_p SssS} - 0.0000 * \text{GATS1pe ETA_shape_p fMF} + 0.0001 * \text{GATS1pe ETA_shape_p} \\
& \text{SpAD_Dzv} + 0.0000 * \text{GATS1pe ETA_shape_p n3HRing} + 0.0000 * \text{GATS1pe ETA_shape_p n3AHRing} + 0.0000 \\
& * \text{GATS1pe ETA_shape_p JGT10} - 0.0000 * \text{GATS1pe VE3_A}^2 - 0.0003 * \text{GATS1pe VE3_A SssS} - 0.0001 * \\
& \text{GATS1pe VE3_A fMF} - 0.0000 * \text{GATS1pe VE3_A SpAD_Dzv} + 0.0000 * \text{GATS1pe VE3_A n3HRing} + 0.0000
\end{aligned}$$

* GATS1pe VE3_A n3AHRing + 0.0000 * GATS1pe VE3_A JGT10 - 0.0001 * GATS1pe SssS^2 + 0.0000 *
 GATS1pe SssS fMF + 0.0000 * GATS1pe SssS SpAD_Dzv + 0.0000 * GATS1pe SssS n3HRing + 0.0000 *
 GATS1pe SssS n3AHRing + 0.0000 * GATS1pe SssS JGT10 - 0.0000 * GATS1pe fMF^2 + 0.0000 * GATS1pe
 fMF SpAD_Dzv + 0.0000 * GATS1pe fMF n3HRing + 0.0000 * GATS1pe fMF n3AHRing - 0.0000 * GATS1pe
 fMF JGT10 - 0.0000 * GATS1pe SpAD_Dzv n3HRing - 0.0000 * GATS1pe SpAD_Dzv n3AHRing - 0.0000 *
 GATS1pe SpAD_Dzv JGT10 + 0.0001 * GATS1pe n3HRing^2 + 0.0001 * GATS1pe n3HRing n3AHRing +
 0.0000 * GATS1pe n3HRing JGT10 + 0.0001 * GATS1pe n3AHRing^2 + 0.0000 * GATS1pe n3AHRing JGT10 -
 0.0000 * GATS1pe JGT10^2 + 0.0000 * VE3_Dzp^3 - 0.0000 * VE3_Dzp^2 ATSC1pe + 0.0000 * VE3_Dzp^2
 AATS2dv + 0.0000 * VE3_Dzp^2 ETA_shape_p + 0.0000 * VE3_Dzp^2 VE3_A + 0.0001 * VE3_Dzp^2 SssS +
 0.0000 * VE3_Dzp^2 fMF - 0.0000 * VE3_Dzp^2 SpAD_Dzv - 0.0000 * VE3_Dzp^2 n3HRing - 0.0000 *
 VE3_Dzp^2 n3AHRing - 0.0000 * VE3_Dzp^2 JGT10 - 0.0001 * VE3_Dzp ATSC1pe^2 - 0.0001 * VE3_Dzp
 ATSC1pe AATS2dv + 0.0001 * VE3_Dzp ATSC1pe ETA_shape_p - 0.0001 * VE3_Dzp ATSC1pe VE3_A -
 0.0001 * VE3_Dzp ATSC1pe SssS - 0.0001 * VE3_Dzp ATSC1pe fMF - 0.0001 * VE3_Dzp ATSC1pe SpAD_Dzv
 - 0.0000 * VE3_Dzp ATSC1pe n3HRing - 0.0000 * VE3_Dzp ATSC1pe n3AHRing - 0.0000 * VE3_Dzp
 ATSC1pe JGT10 + 0.0000 * VE3_Dzp AATS2dv^2 + 0.0001 * VE3_Dzp AATS2dv ETA_shape_p + 0.0000 *
 VE3_Dzp AATS2dv VE3_A - 0.0001 * VE3_Dzp AATS2dv SssS + 0.0000 * VE3_Dzp AATS2dv fMF - 0.0001 *
 VE3_Dzp AATS2dv SpAD_Dzv - 0.0001 * VE3_Dzp AATS2dv JGT10 - 0.0000 * VE3_Dzp ETA_shape_p^2 +
 0.0000 * VE3_Dzp ETA_shape_p VE3_A - 0.0001 * VE3_Dzp ETA_shape_p SssS - 0.0000 * VE3_Dzp
 ETA_shape_p fMF - 0.0000 * VE3_Dzp ETA_shape_p SpAD_Dzv - 0.0000 * VE3_Dzp ETA_shape_p n3HRing -
 0.0000 * VE3_Dzp ETA_shape_p n3AHRing + 0.0000 * VE3_Dzp ETA_shape_p JGT10 - 0.0000 * VE3_Dzp
 VE3_A^2 + 0.0001 * VE3_Dzp VE3_A SssS + 0.0000 * VE3_Dzp VE3_A fMF + 0.0002 * VE3_Dzp VE3_A
 SpAD_Dzv - 0.0000 * VE3_Dzp VE3_A n3HRing - 0.0000 * VE3_Dzp VE3_A n3AHRing - 0.0000 * VE3_Dzp
 VE3_A JGT10 + 0.0000 * VE3_Dzp SssS^2 + 0.0000 * VE3_Dzp SssS fMF + 0.0001 * VE3_Dzp SssS
 SpAD_Dzv + 0.0000 * VE3_Dzp SssS n3HRing + 0.0000 * VE3_Dzp SssS n3AHRing + 0.0001 * VE3_Dzp SssS
 JGT10 + 0.0000 * VE3_Dzp fMF^2 + 0.0001 * VE3_Dzp fMF SpAD_Dzv + 0.0000 * VE3_Dzp fMF n3HRing +
 0.0000 * VE3_Dzp fMF n3AHRing + 0.0000 * VE3_Dzp fMF JGT10 - 0.0000 * VE3_Dzp SpAD_Dzv^2 - 0.0000
 * VE3_Dzp SpAD_Dzv n3HRing - 0.0000 * VE3_Dzp SpAD_Dzv n3AHRing - 0.0001 * VE3_Dzp SpAD_Dzv
 JGT10 + 0.0001 * VE3_Dzp n3HRing^2 + 0.0001 * VE3_Dzp n3HRing n3AHRing - 0.0000 * VE3_Dzp n3HRing
 JGT10 + 0.0001 * VE3_Dzp n3AHRing^2 - 0.0000 * VE3_Dzp n3AHRing JGT10 - 0.0000 * VE3_Dzp JGT10^2 +
 0.0000 * ATSC1pe^3 + 0.0002 * ATSC1pe^2 AATS2dv + 0.0002 * ATSC1pe^2 ETA_shape_p + 0.0002 *
 ATSC1pe^2 VE3_A + 0.0001 * ATSC1pe^2 SssS - 0.0000 * ATSC1pe^2 fMF - 0.0000 * ATSC1pe^2 n3HRing -
 0.0000 * ATSC1pe^2 n3AHRing - 0.0001 * ATSC1pe^2 JGT10 + 0.0000 * ATSC1pe AATS2dv^2 + 0.0004 *
 ATSC1pe AATS2dv ETA_shape_p + 0.0001 * ATSC1pe AATS2dv VE3_A - 0.0000 * ATSC1pe AATS2dv SssS +
 0.0000 * ATSC1pe AATS2dv fMF + 0.0000 * ATSC1pe AATS2dv SpAD_Dzv - 0.0001 * ATSC1pe AATS2dv
 n3HRing - 0.0001 * ATSC1pe AATS2dv n3AHRing - 0.0001 * ATSC1pe AATS2dv JGT10 - 0.0001 * ATSC1pe
 ETA_shape_p^2 + 0.0002 * ATSC1pe ETA_shape_p VE3_A + 0.0001 * ATSC1pe ETA_shape_p SssS + 0.0001 *
 ATSC1pe ETA_shape_p fMF + 0.0000 * ATSC1pe ETA_shape_p SpAD_Dzv + 0.0000 * ATSC1pe ETA_shape_p
 n3HRing + 0.0000 * ATSC1pe ETA_shape_p n3AHRing - 0.0000 * ATSC1pe ETA_shape_p JGT10 - 0.0001 *
 ATSC1pe VE3_A^2 + 0.0000 * ATSC1pe VE3_A SssS - 0.0001 * ATSC1pe VE3_A fMF + 0.0000 * ATSC1pe
 VE3_A n3HRing + 0.0000 * ATSC1pe VE3_A n3AHRing + 0.0000 * ATSC1pe VE3_A JGT10 - 0.0000 *
 ATSC1pe SssS^2 - 0.0000 * ATSC1pe SssS fMF + 0.0000 * ATSC1pe SssS SpAD_Dzv - 0.0000 * ATSC1pe SssS
 n3HRing - 0.0000 * ATSC1pe SssS n3AHRing + 0.0002 * ATSC1pe SssS JGT10 - 0.0000 * ATSC1pe fMF^2 +
 0.0000 * ATSC1pe fMF SpAD_Dzv - 0.0000 * ATSC1pe fMF n3HRing - 0.0000 * ATSC1pe fMF n3AHRing +
 0.0000 * ATSC1pe fMF JGT10 - 0.0000 * ATSC1pe n3HRing^2 - 0.0000 * ATSC1pe n3HRing n3AHRing +
 0.0000 * ATSC1pe n3HRing JGT10 - 0.0000 * ATSC1pe n3AHRing^2 + 0.0000 * ATSC1pe n3AHRing JGT10 +
 0.0000 * ATSC1pe JGT10^2 - 0.0001 * AATS2dv^3 - 0.0001 * AATS2dv^2 ETA_shape_p + 0.0001 *
 AATS2dv^2 VE3_A + 0.0001 * AATS2dv^2 SssS + 0.0003 * AATS2dv^2 fMF + 0.0001 * AATS2dv^2 n3HRing
 + 0.0001 * AATS2dv^2 n3AHRing + 0.0001 * AATS2dv^2 JGT10 - 0.0001 * AATS2dv ETA_shape_p^2 - 0.0000
 * AATS2dv ETA_shape_p VE3_A - 0.0000 * AATS2dv ETA_shape_p SssS - 0.0002 * AATS2dv ETA_shape_p
 fMF + 0.0000 * AATS2dv ETA_shape_p SpAD_Dzv - 0.0000 * AATS2dv ETA_shape_p n3HRing - 0.0000 *
 AATS2dv ETA_shape_p n3AHRing - 0.0000 * AATS2dv ETA_shape_p JGT10 - 0.0000 * AATS2dv VE3_A^2 -
 0.0000 * AATS2dv VE3_A SssS + 0.0001 * AATS2dv VE3_A fMF + 0.0000 * AATS2dv VE3_A SpAD_Dzv +
 0.0000 * AATS2dv VE3_A n3HRing + 0.0000 * AATS2dv VE3_A n3AHRing - 0.0001 * AATS2dv VE3_A
 JGT10 - 0.0000 * AATS2dv SssS^2 + 0.0001 * AATS2dv SssS fMF + 0.0000 * AATS2dv SssS SpAD_Dzv -
 0.0001 * AATS2dv SssS n3HRing - 0.0001 * AATS2dv SssS n3AHRing - 0.0000 * AATS2dv SssS JGT10 -
 0.0000 * AATS2dv fMF^2 + 0.0000 * AATS2dv fMF SpAD_Dzv + 0.0001 * AATS2dv fMF n3HRing + 0.0001 *
 AATS2dv fMF n3AHRing - 0.0000 * AATS2dv fMF JGT10 + 0.0000 * AATS2dv SpAD_Dzv n3HRing + 0.0000
 * AATS2dv SpAD_Dzv n3AHRing - 0.0000 * AATS2dv SpAD_Dzv JGT10 - 0.0000 * AATS2dv n3HRing^2 -
 0.0000 * AATS2dv n3HRing n3AHRing + 0.0001 * AATS2dv n3HRing JGT10 - 0.0000 * AATS2dv n3AHRing^2
 + 0.0001 * AATS2dv n3AHRing JGT10 - 0.0002 * AATS2dv JGT10^2 - 0.0001 * ETA_shape_p^3 - 0.0000 *
 ETA_shape_p^2 VE3_A + 0.0001 * ETA_shape_p^2 SssS - 0.0000 * ETA_shape_p^2 fMF - 0.0001 *
 ETA_shape_p^2 SpAD_Dzv + 0.0000 * ETA_shape_p^2 n3HRing + 0.0000 * ETA_shape_p^2 n3AHRing +

0.0000 * ETA_shape_p^2 JGT10 - 0.0000 * ETA_shape_p VE3_A^2 - 0.0001 * ETA_shape_p VE3_A SssS -
 0.0000 * ETA_shape_p VE3_A fMF + 0.0000 * ETA_shape_p VE3_A SpAD_Dzv - 0.0000 * ETA_shape_p
 VE3_A n3HRing - 0.0000 * ETA_shape_p VE3_A n3AHRing + 0.0000 * ETA_shape_p VE3_A JGT10 + 0.0000 *
 ETA_shape_p SssS^2 - 0.0000 * ETA_shape_p SssS fMF + 0.0000 * ETA_shape_p SssS SpAD_Dzv + 0.0000 *
 ETA_shape_p SssS n3HRing + 0.0000 * ETA_shape_p SssS n3AHRing - 0.0000 * ETA_shape_p SssS JGT10 +
 0.0000 * ETA_shape_p fMF^2 - 0.0002 * ETA_shape_p fMF SpAD_Dzv - 0.0000 * ETA_shape_p fMF JGT10 +
 0.0000 * ETA_shape_p SpAD_Dzv n3HRing + 0.0000 * ETA_shape_p SpAD_Dzv n3AHRing + 0.0002 *
 ETA_shape_p SpAD_Dzv JGT10 + 0.0000 * ETA_shape_p n3HRing^2 + 0.0000 * ETA_shape_p n3HRing
 n3AHRing + 0.0000 * ETA_shape_p n3HRing JGT10 + 0.0000 * ETA_shape_p n3AHRing^2 + 0.0000 *
 ETA_shape_p n3AHRing JGT10 + 0.0000 * ETA_shape_p JGT10^2 - 0.0001 * VE3_A^3 + 0.0001 * VE3_A^2
 SssS + 0.0000 * VE3_A^2 fMF + 0.0000 * VE3_A^2 SpAD_Dzv - 0.0000 * VE3_A^2 n3HRing - 0.0000 *
 VE3_A^2 n3AHRing - 0.0001 * VE3_A^2 JGT10 - 0.0000 * VE3_A SssS^2 - 0.0000 * VE3_A SssS fMF - 0.0000
 * VE3_A SssS SpAD_Dzv + 0.0000 * VE3_A SssS n3HRing + 0.0000 * VE3_A SssS n3AHRing + 0.0000 *
 VE3_A SssS JGT10 + 0.0000 * VE3_A fMF^2 - 0.0000 * VE3_A fMF SpAD_Dzv + 0.0000 * VE3_A fMF
 n3HRing + 0.0000 * VE3_A fMF n3AHRing + 0.0000 * VE3_A fMF JGT10 + 0.0000 * VE3_A SpAD_Dzv
 n3HRing + 0.0000 * VE3_A SpAD_Dzv n3AHRing - 0.0000 * VE3_A SpAD_Dzv JGT10 + 0.0000 * VE3_A
 n3HRing^2 + 0.0000 * VE3_A n3HRing n3AHRing - 0.0000 * VE3_A n3HRing JGT10 + 0.0000 * VE3_A
 n3AHRing^2 - 0.0000 * VE3_A n3AHRing JGT10 - 0.0000 * VE3_A JGT10^2 + 0.0000 * SssS^3 - 0.0001 *
 SssS^2 fMF - 0.0001 * SssS^2 JGT10 + 0.0000 * SssS fMF^2 + 0.0000 * SssS fMF SpAD_Dzv - 0.0000 * SssS
 fMF n3HRing - 0.0000 * SssS fMF n3AHRing + 0.0000 * SssS fMF JGT10 + 0.0000 * SssS SpAD_Dzv n3HRing
 + 0.0000 * SssS SpAD_Dzv n3AHRing + 0.0000 * SssS SpAD_Dzv JGT10 + 0.0000 * SssS n3HRing^2 + 0.0000 *
 SssS n3HRing n3AHRing + 0.0000 * SssS n3HRing JGT10 + 0.0000 * SssS n3AHRing^2 + 0.0000 * SssS
 n3AHRing JGT10 - 0.0001 * SssS JGT10^2 - 0.0000 * fMF^3 - 0.0000 * fMF^2 SpAD_Dzv + 0.0000 * fMF^2
 n3HRing + 0.0000 * fMF^2 n3AHRing + 0.0000 * fMF^2 JGT10 - 0.0000 * fMF SpAD_Dzv n3HRing - 0.0000 *
 fMF SpAD_Dzv n3AHRing + 0.0002 * fMF SpAD_Dzv JGT10 + 0.0000 * fMF n3HRing JGT10 + 0.0000 * fMF
 n3AHRing JGT10 - 0.0000 * fMF JGT10^2 - 0.0000 * SpAD_Dzv n3HRing JGT10 - 0.0000 * SpAD_Dzv
 n3AHRing JGT10 - 0.0001 * SpAD_Dzv JGT10^2 - 0.0000 * n3HRing^3 - 0.0000 * n3HRing^2 n3AHRing -
 0.0000 * n3HRing^2 JGT10 - 0.0000 * n3HRing n3AHRing^2 - 0.0000 * n3HRing n3AHRing JGT10 + 0.0000 *
 n3HRing JGT10^2 - 0.0000 * n3AHRing^3 - 0.0000 * n3AHRing^2 JGT10 + 0.0000 * n3AHRing JGT10^2 -
 0.0001 * JGT10^3