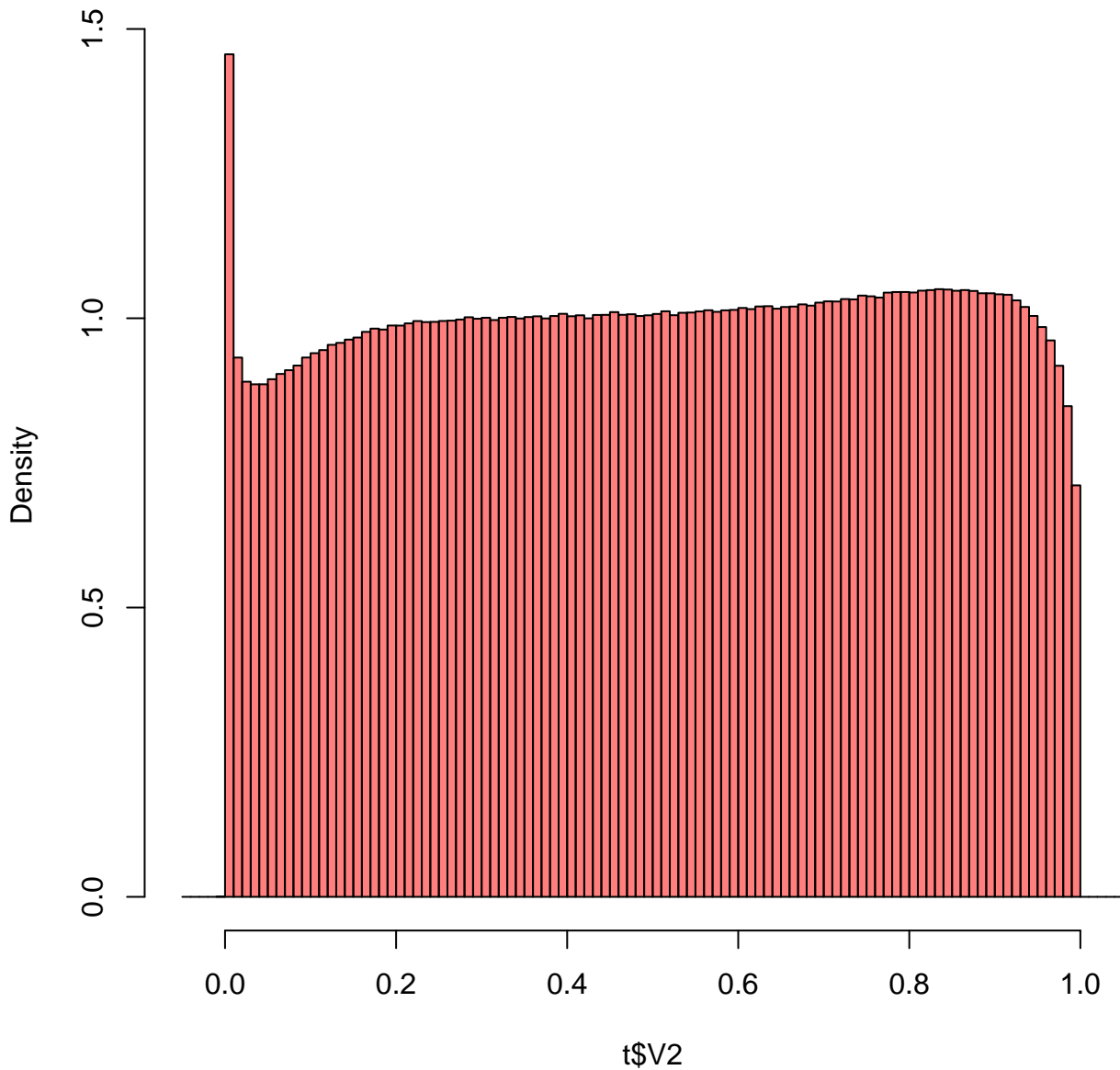
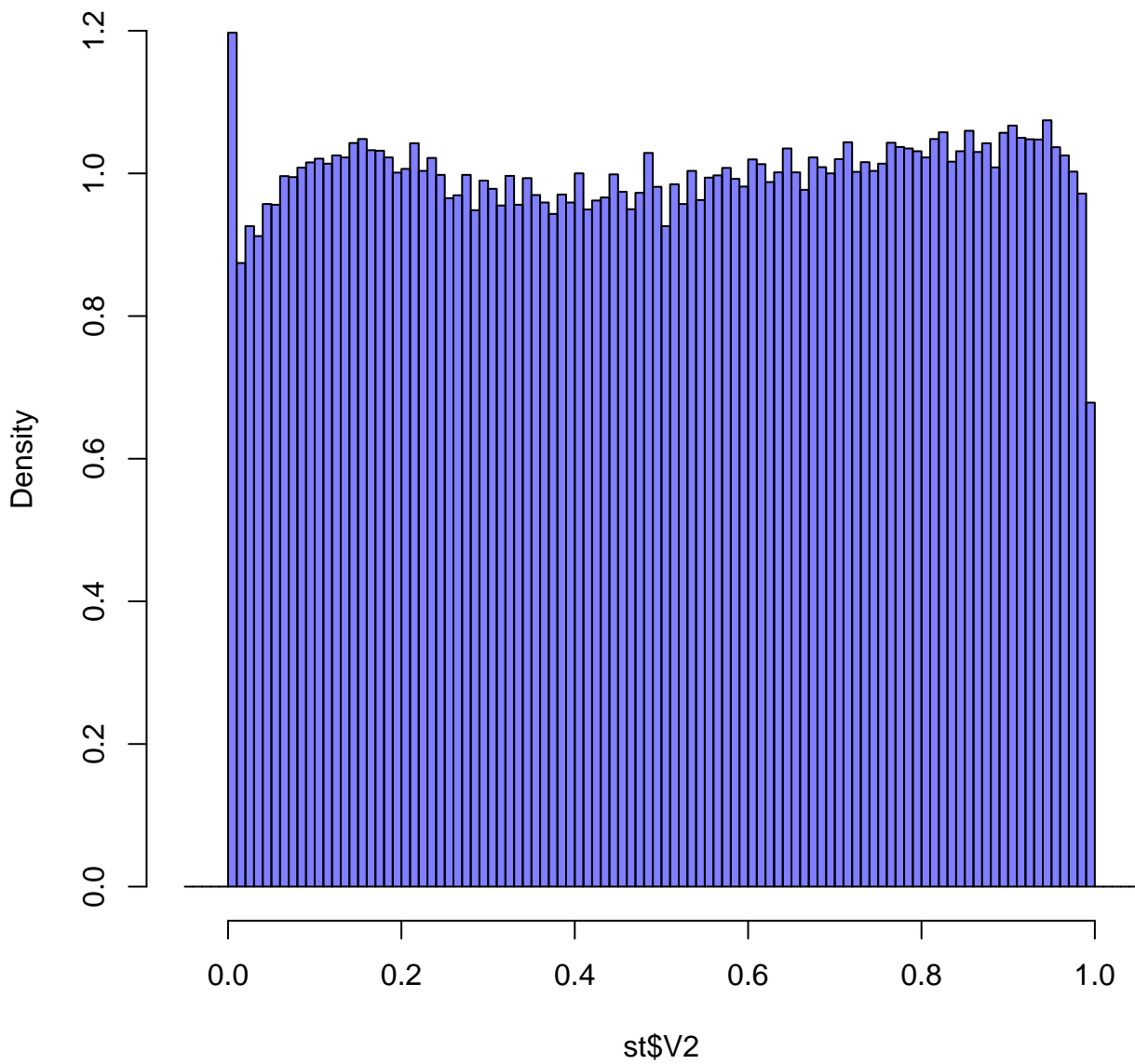


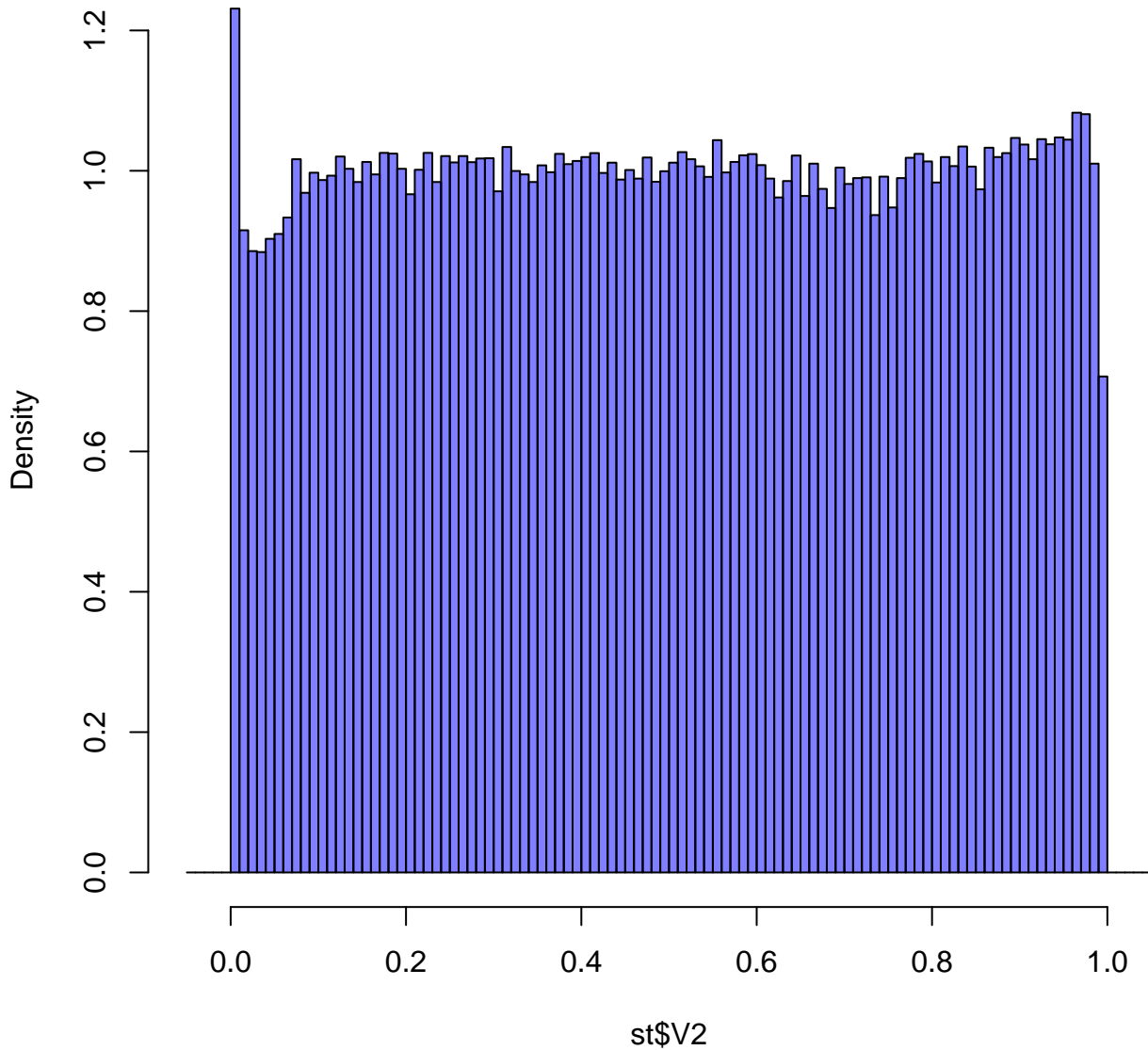
# All atoms



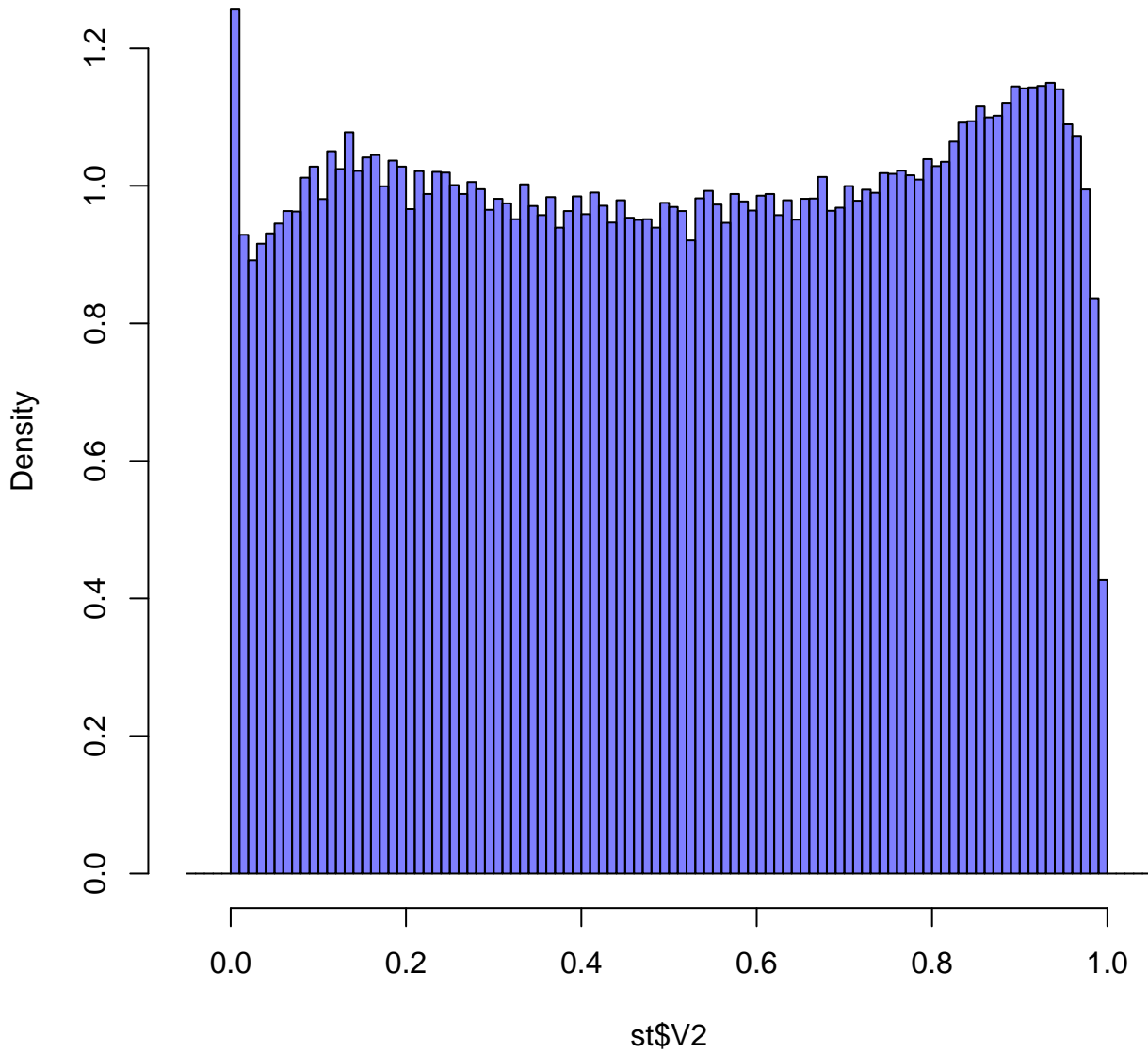
**R<ALA>A<C>**



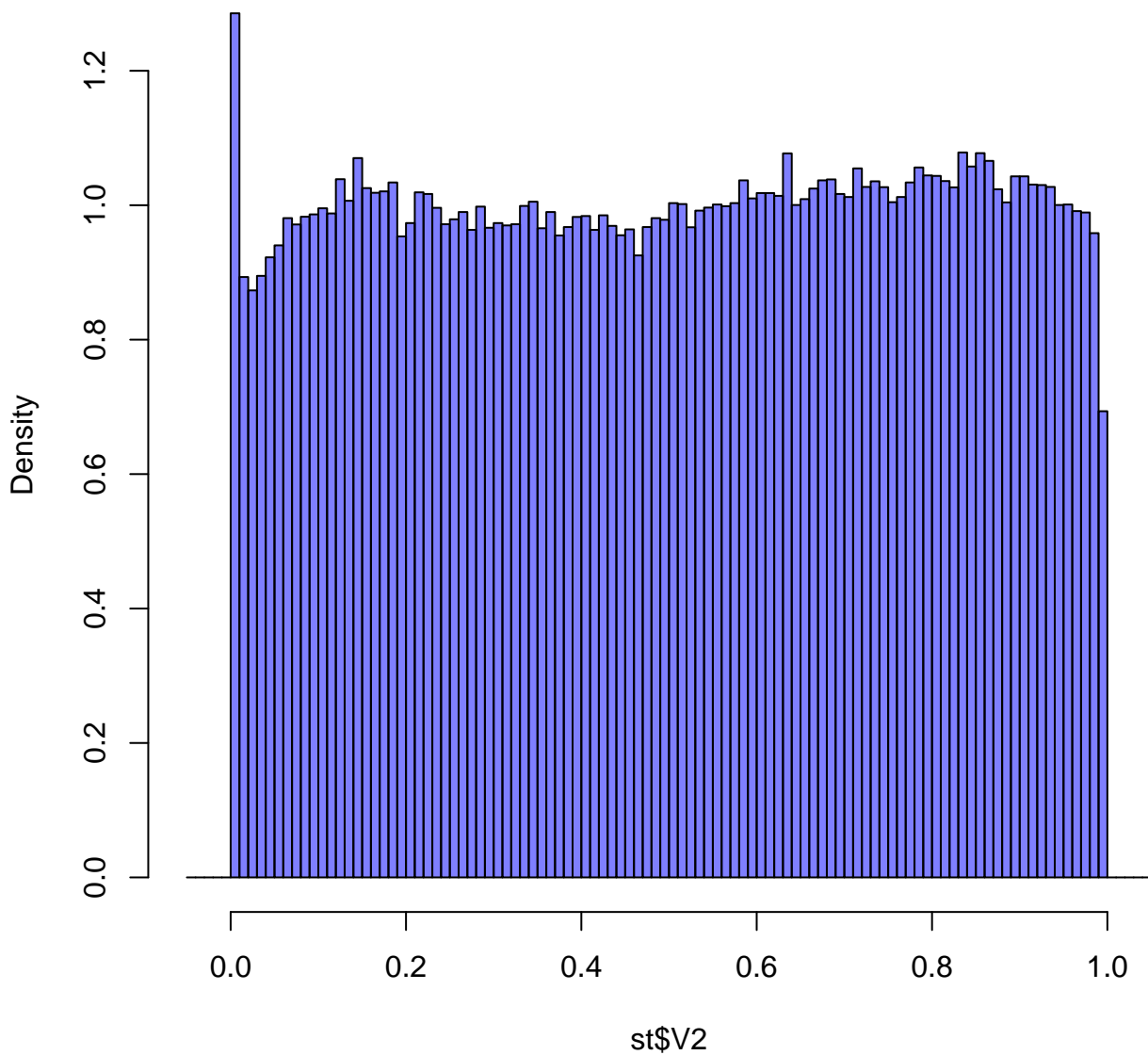
$R\langle\text{ALA}\rangle A\langle\text{CA}\rangle$



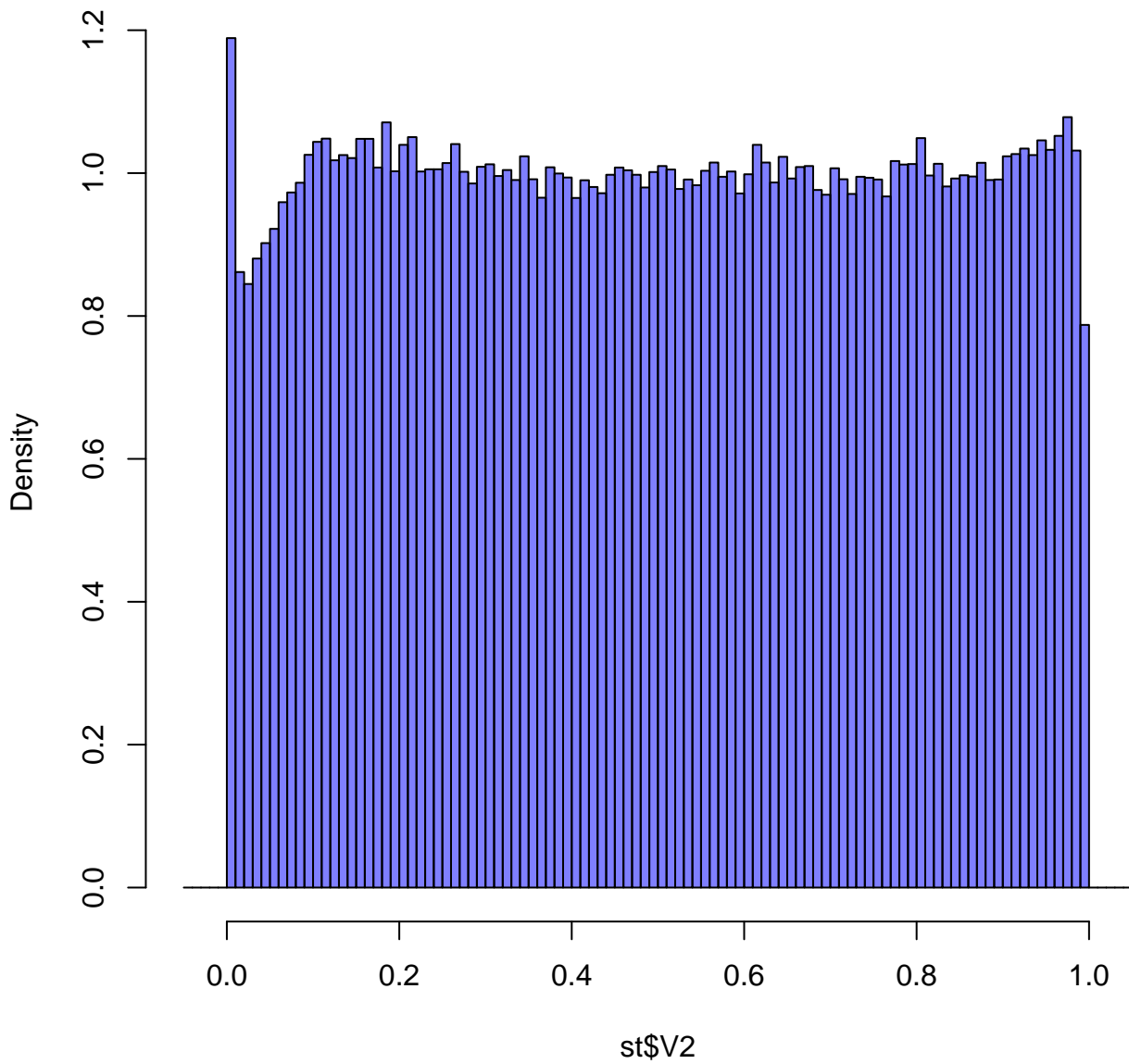
$R\langle ALA \rangle A\langle CB \rangle$



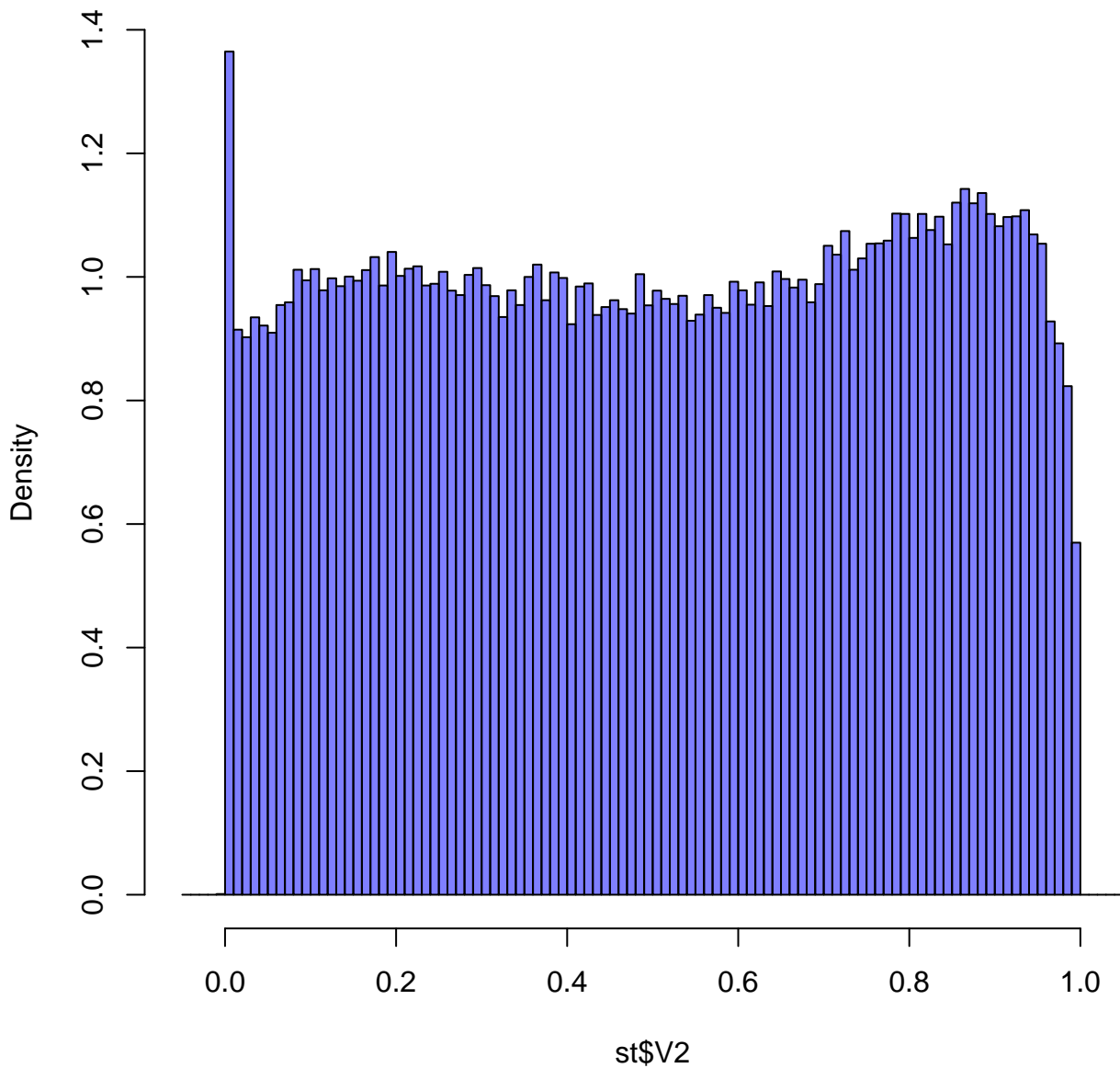
$R\langle ALA \rangle A\langle N \rangle$



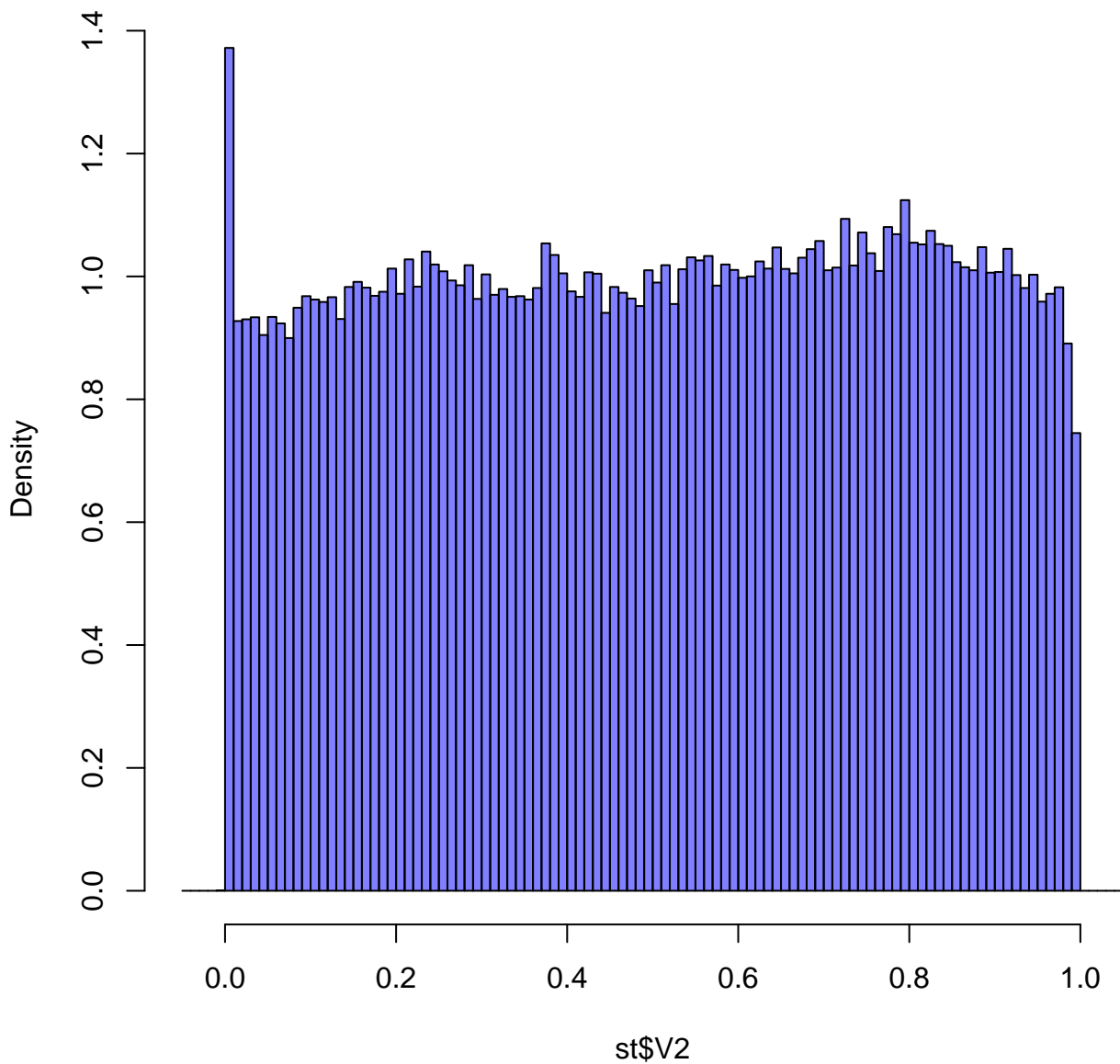
$R\langle ALA \rangle A\langle O \rangle$



R<ARG>A<C>

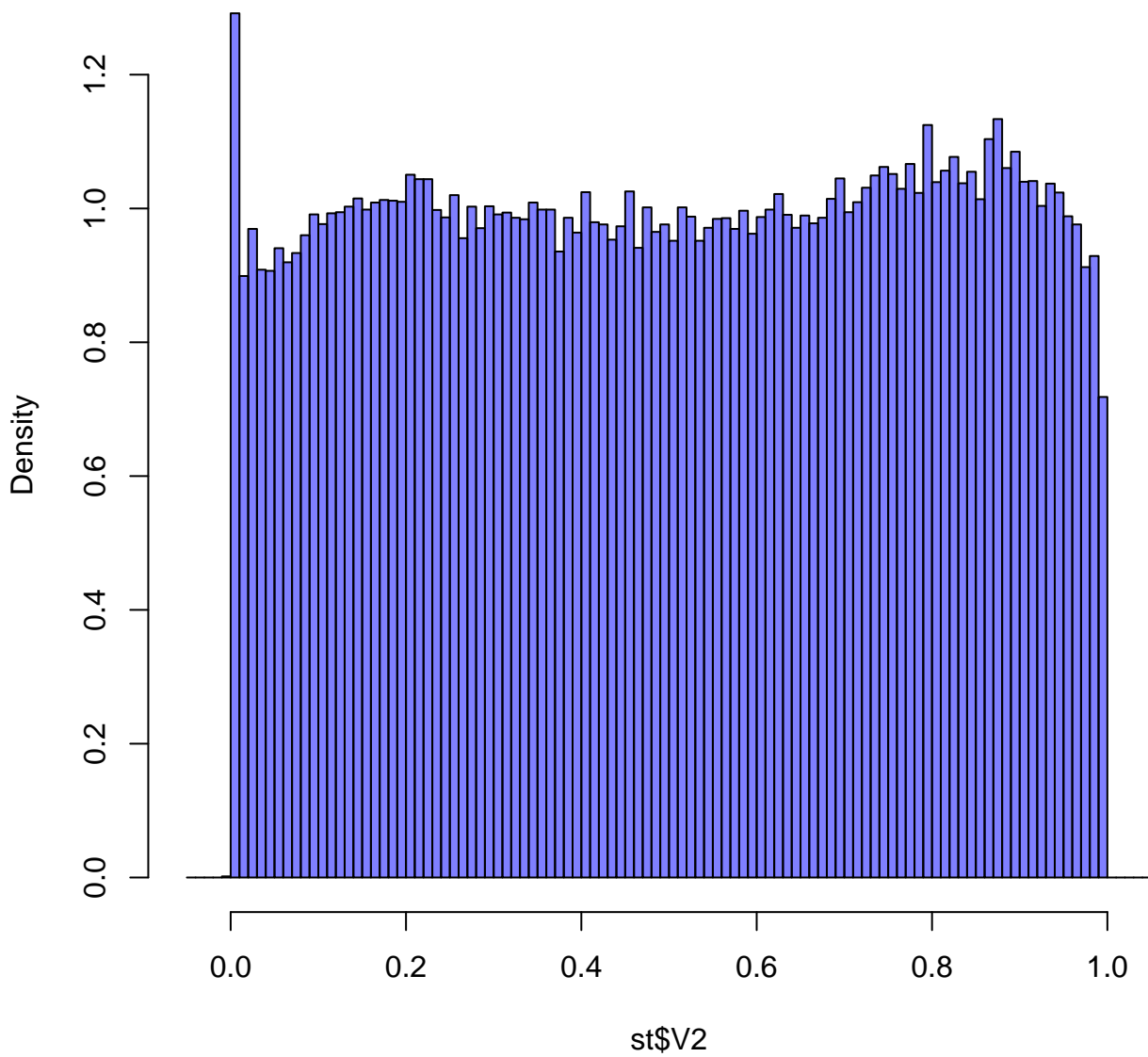


**R<ARG>A<CA>**

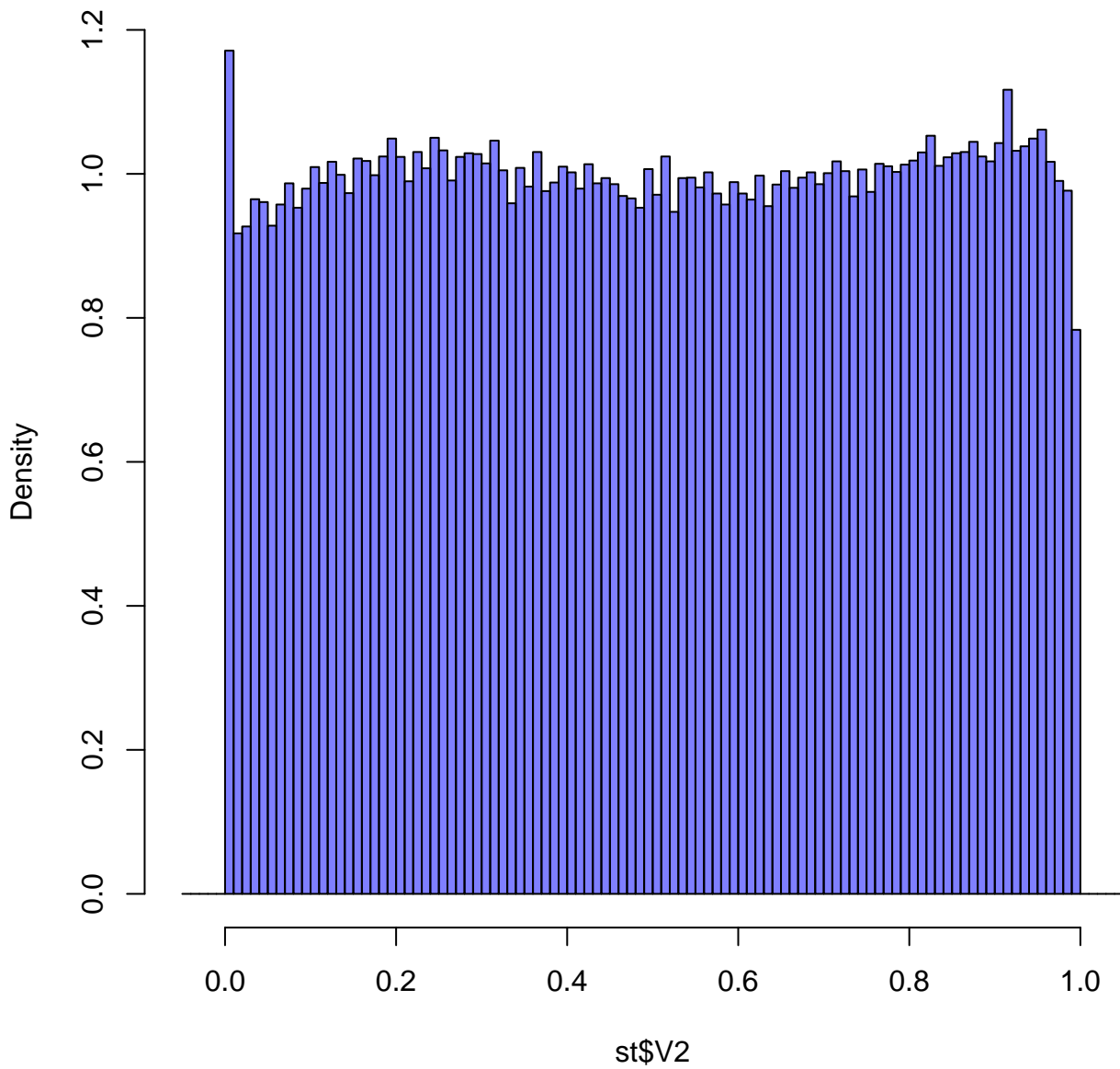




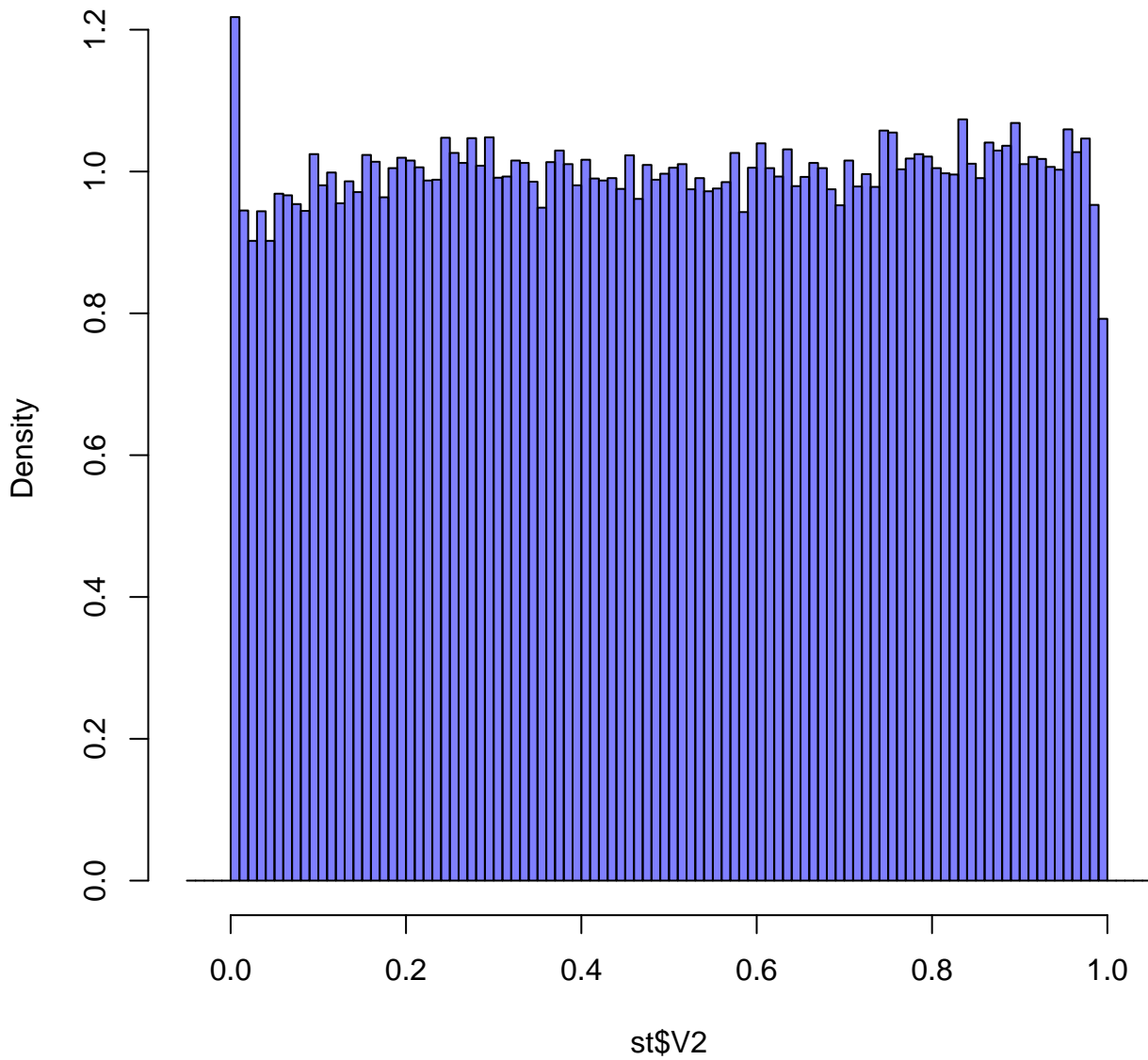
**R<ARG>A<CB>**



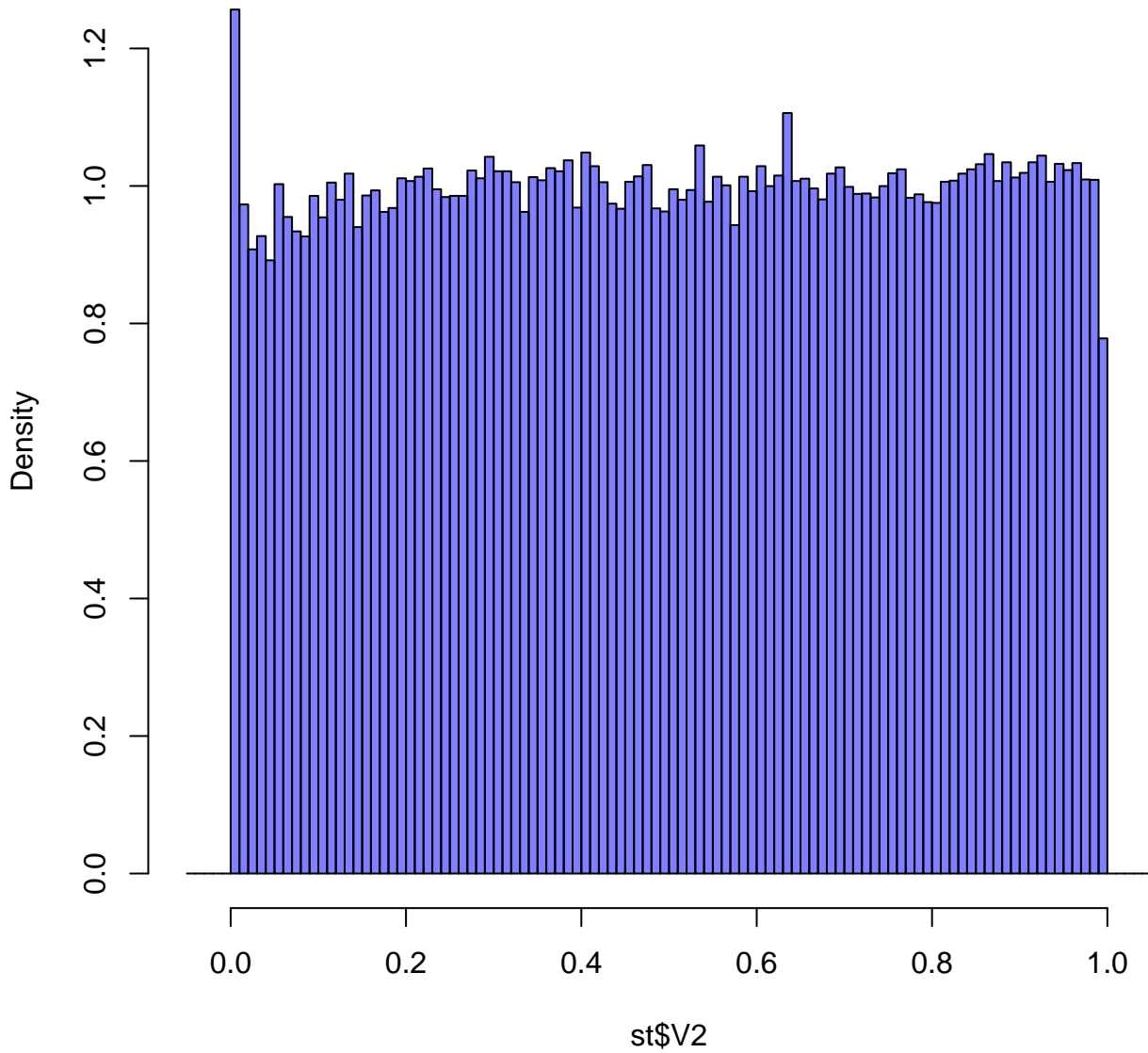
**R<ARG>A<CD>**



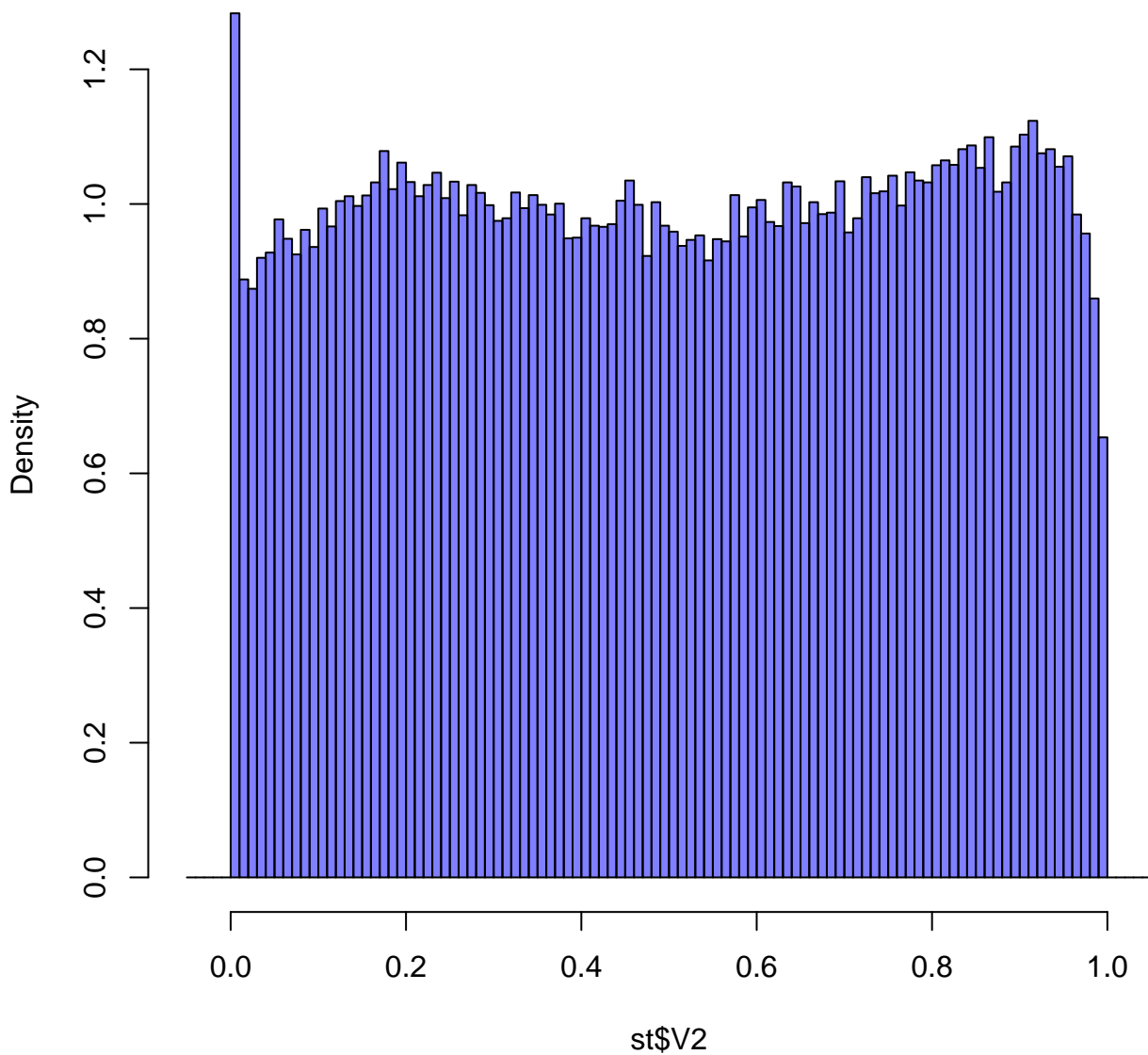
**R<ARG>A<CG>**



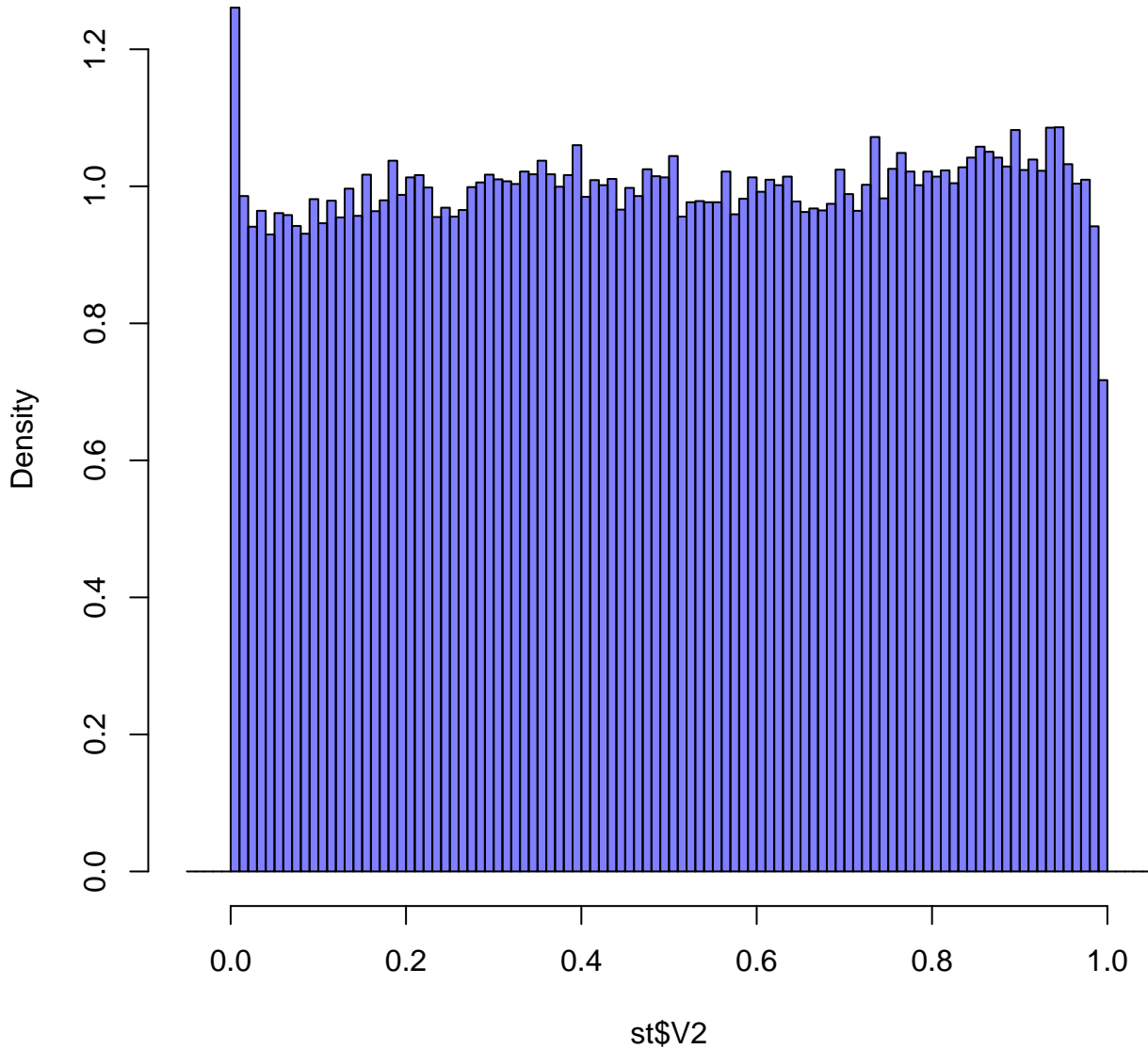
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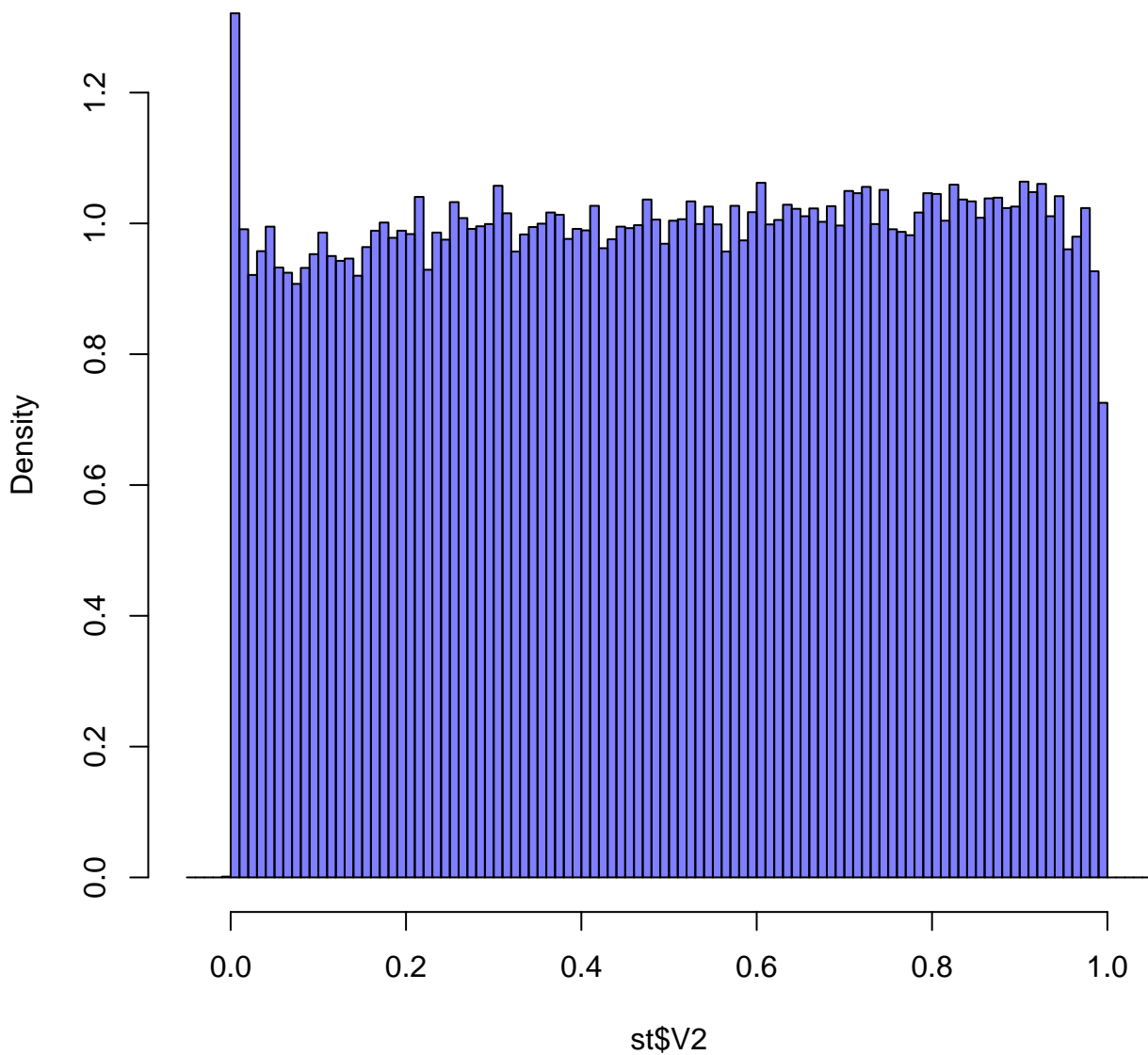
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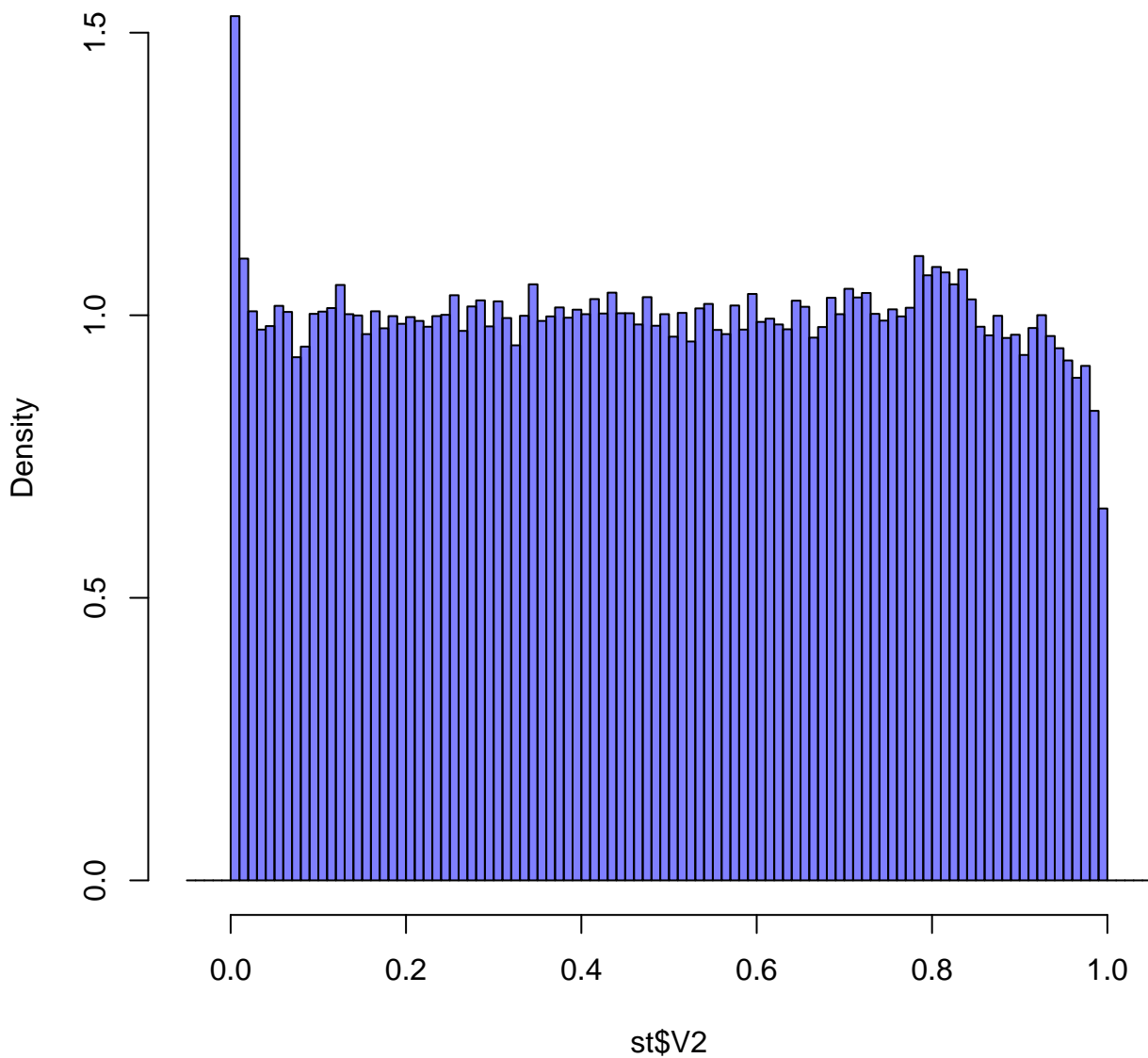
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**R<ARG>A<NH1>**

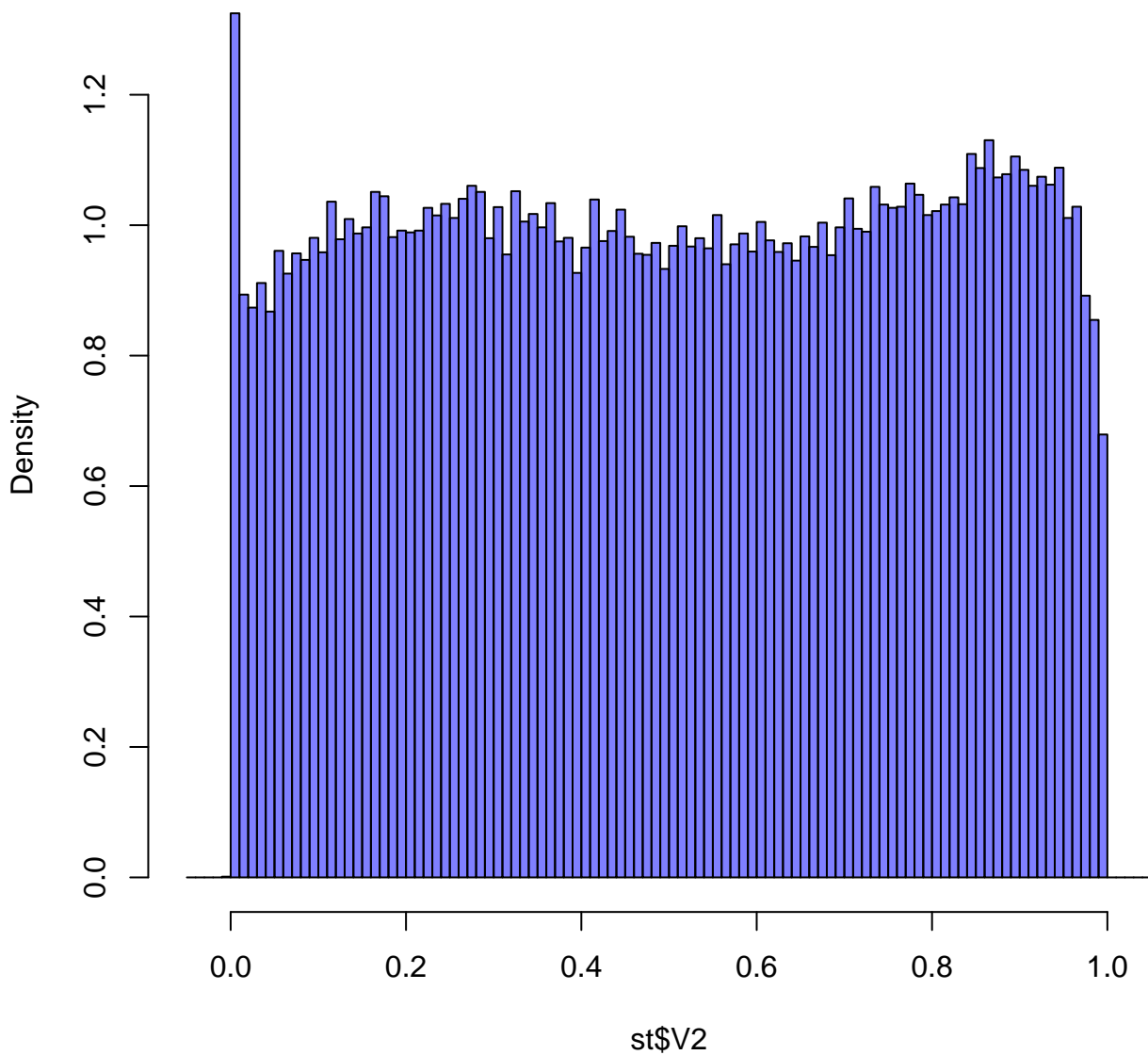


**R<ARG>A<NH2>**

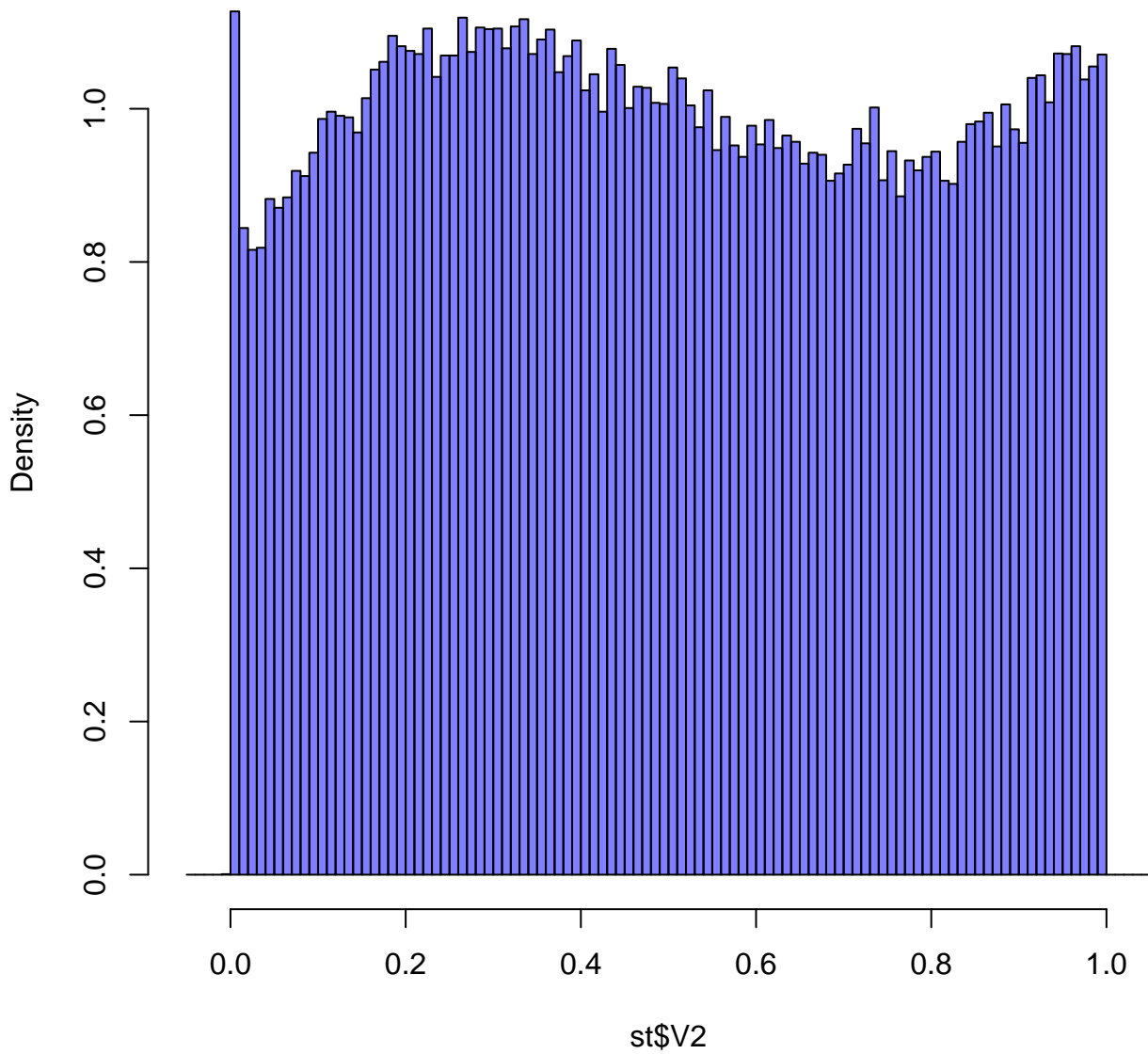




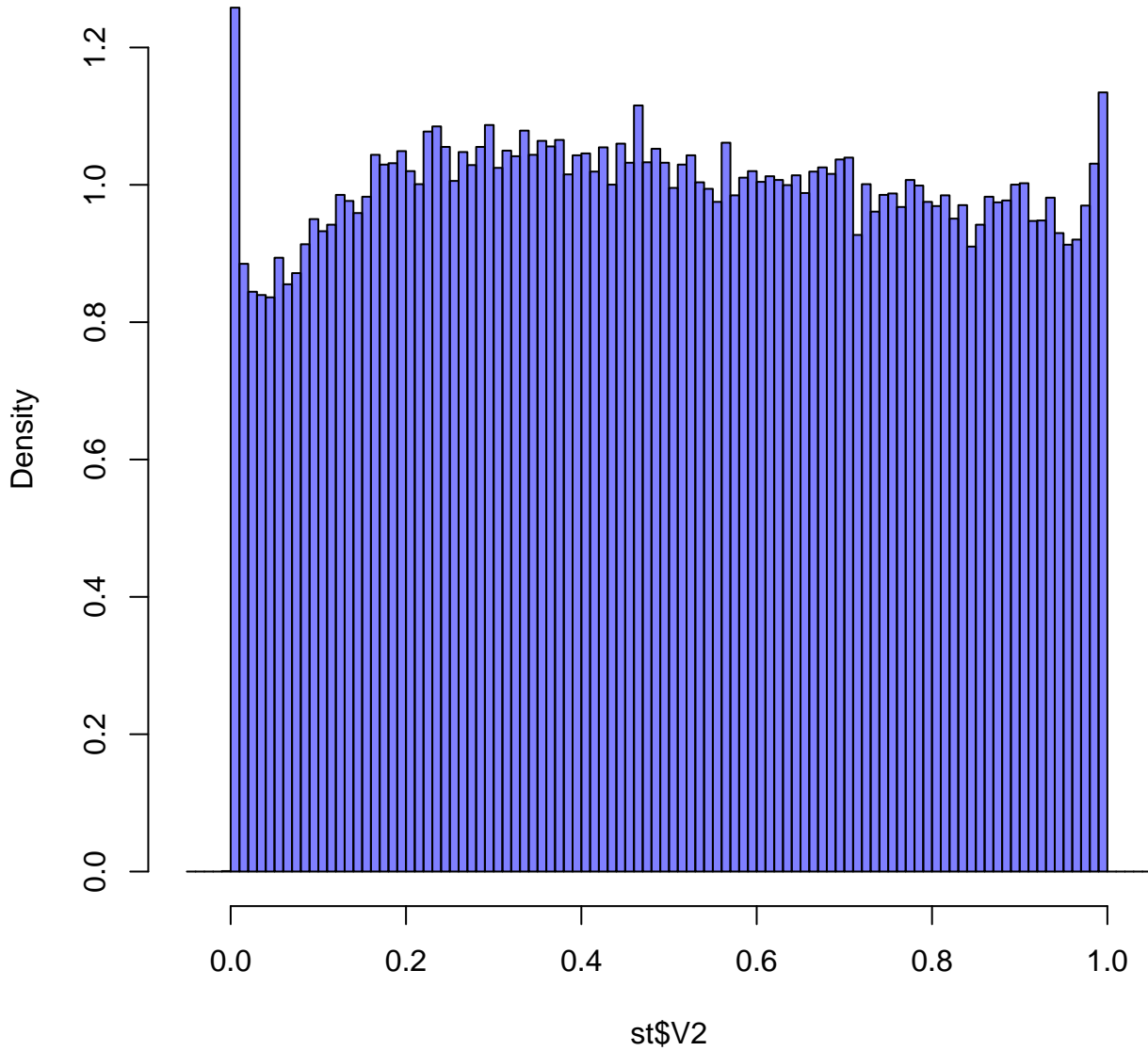
R<ARG>A<O>



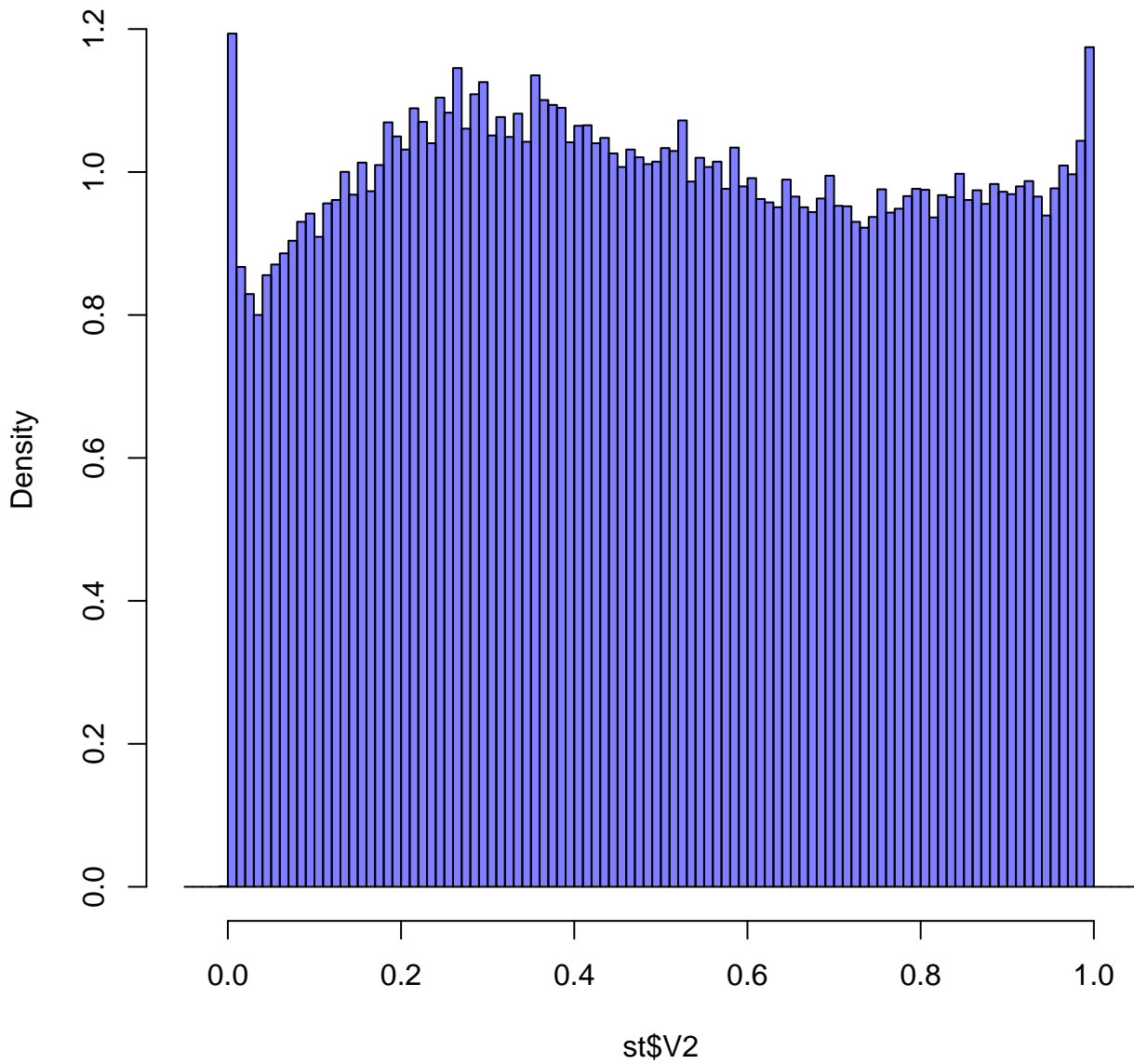
$R\langle\text{ASN}\rangle A\langle C\rangle$



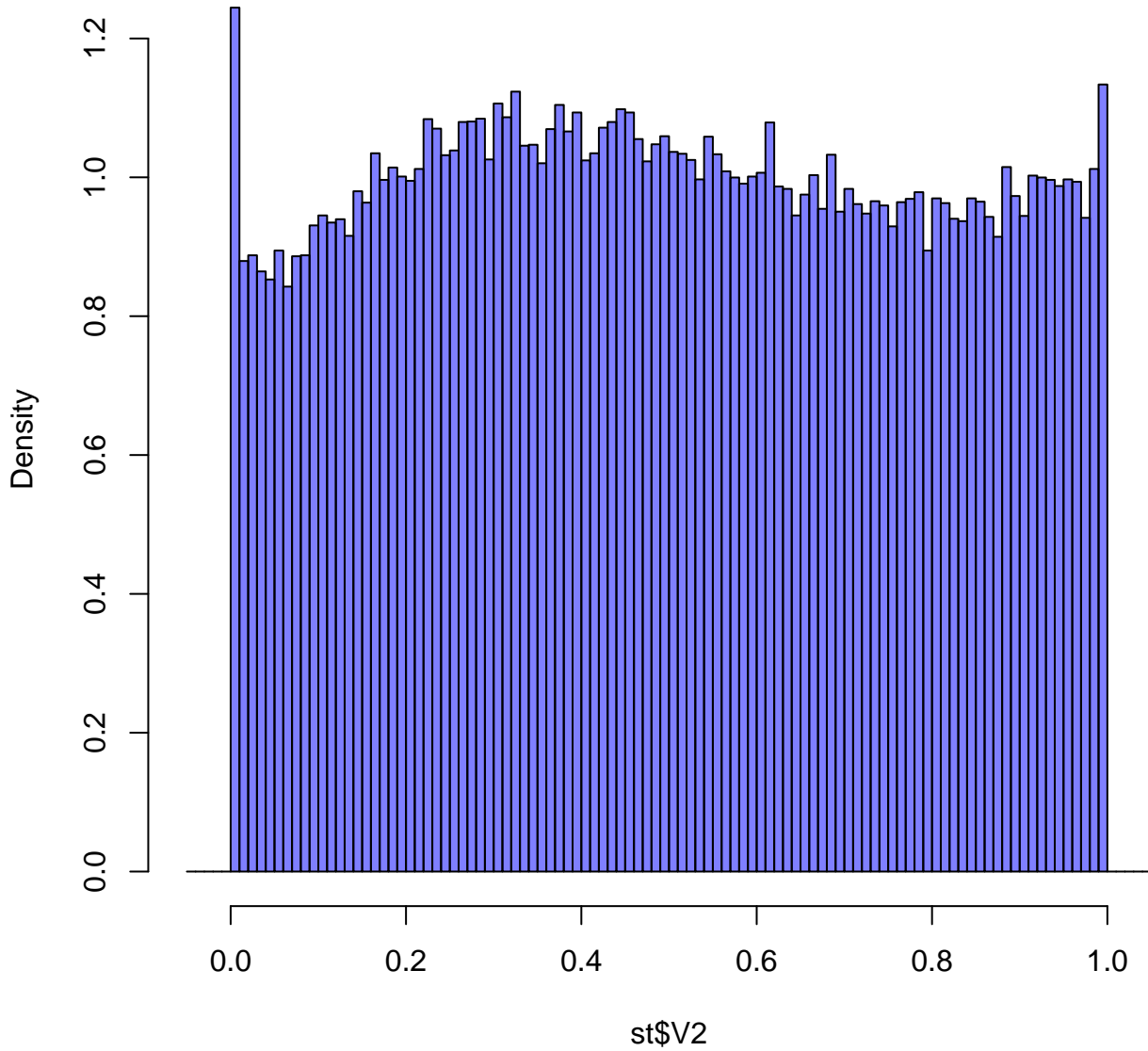
**R<ASN>A<CA>**



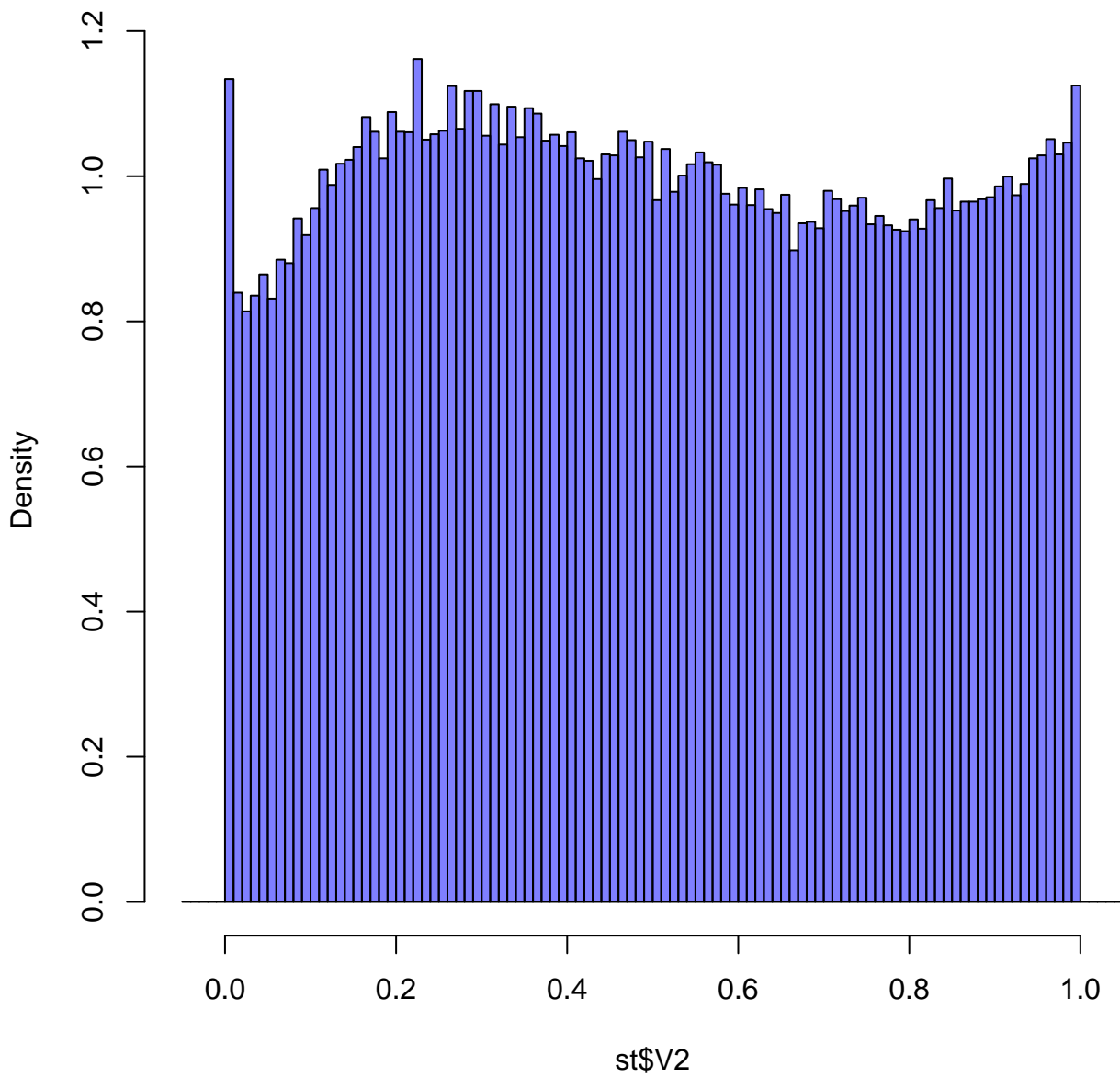
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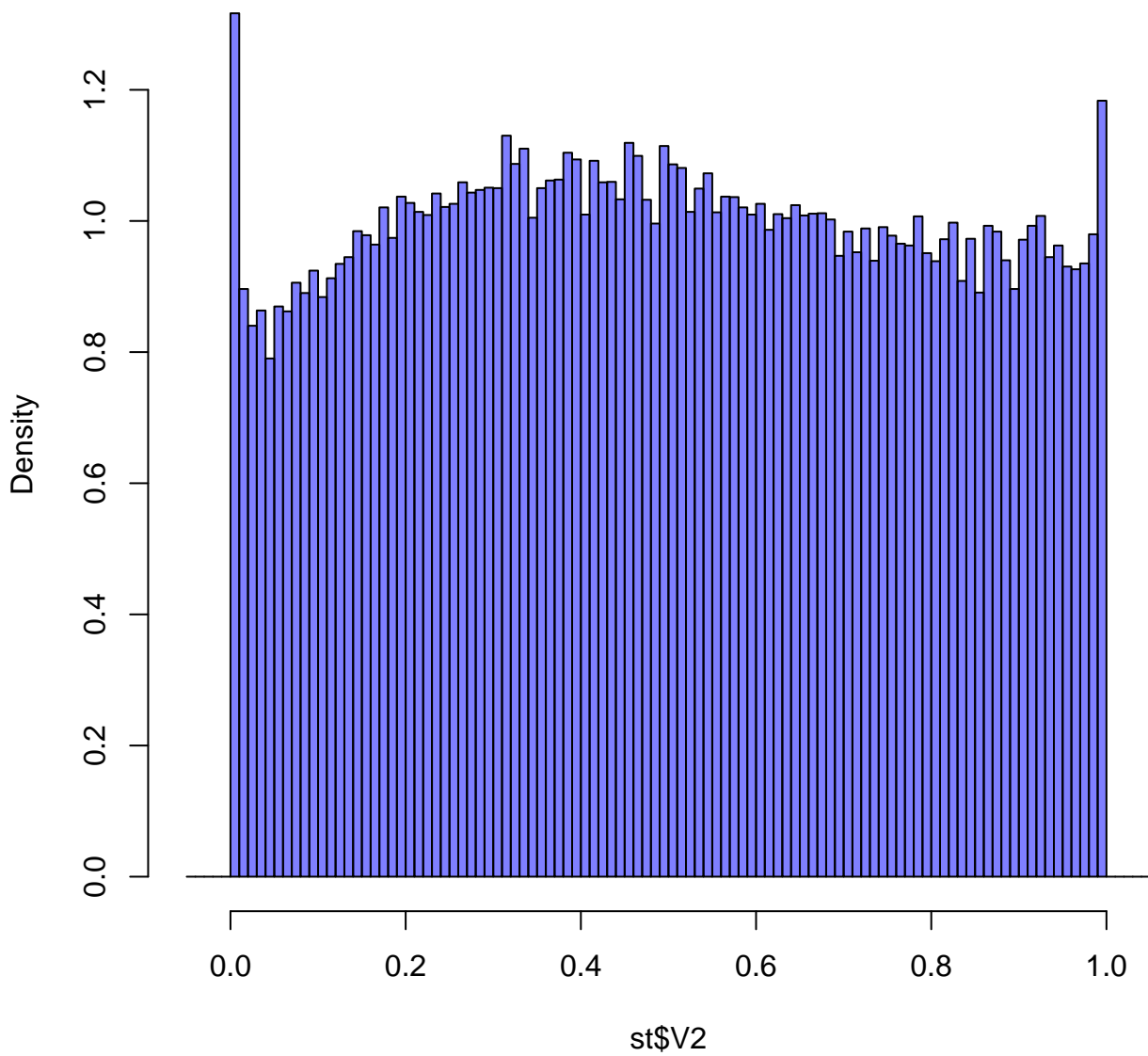
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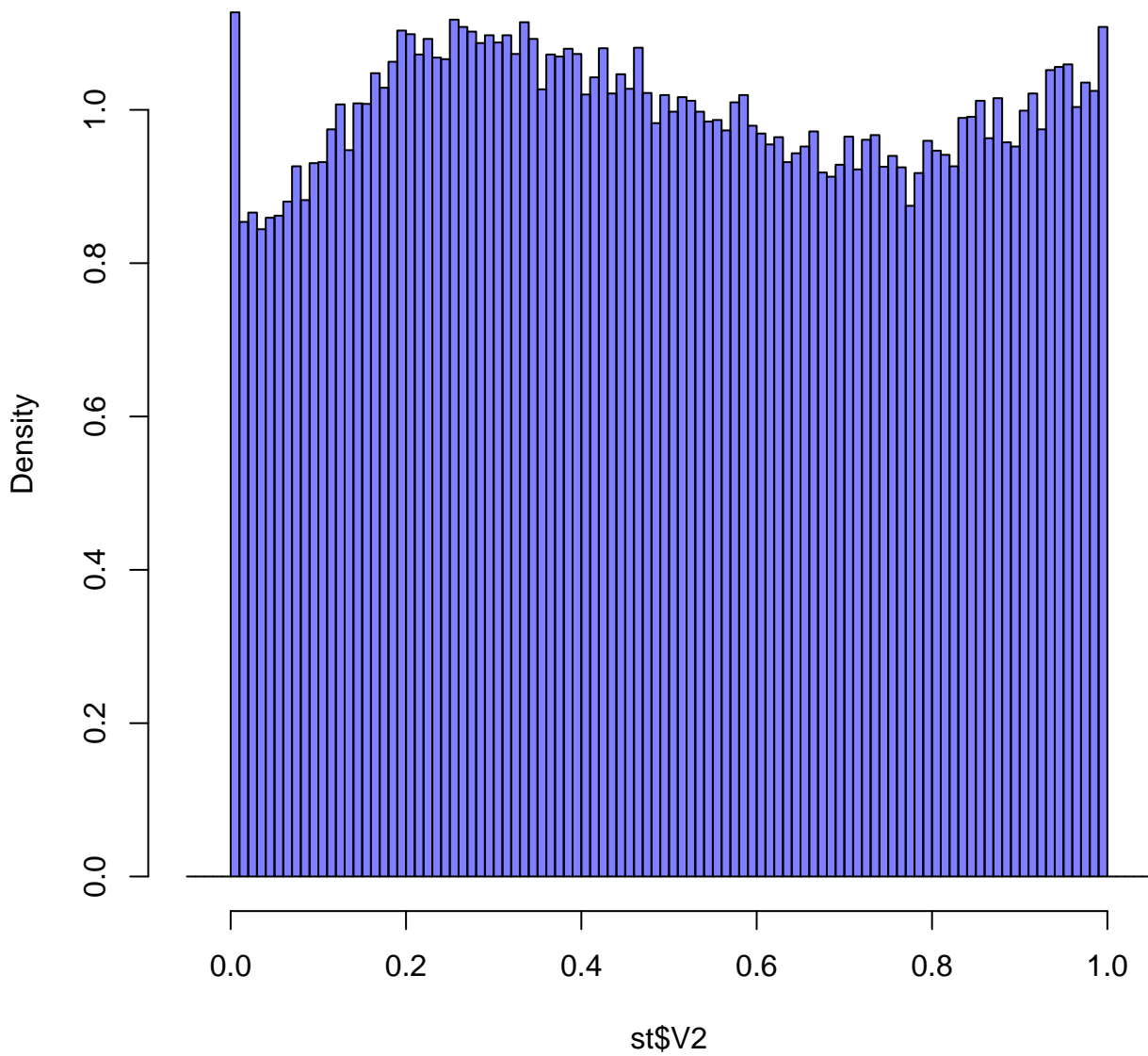
$R\langle\text{ASN}\rangle A\langle N\rangle$



R<ASN>A<ND2>

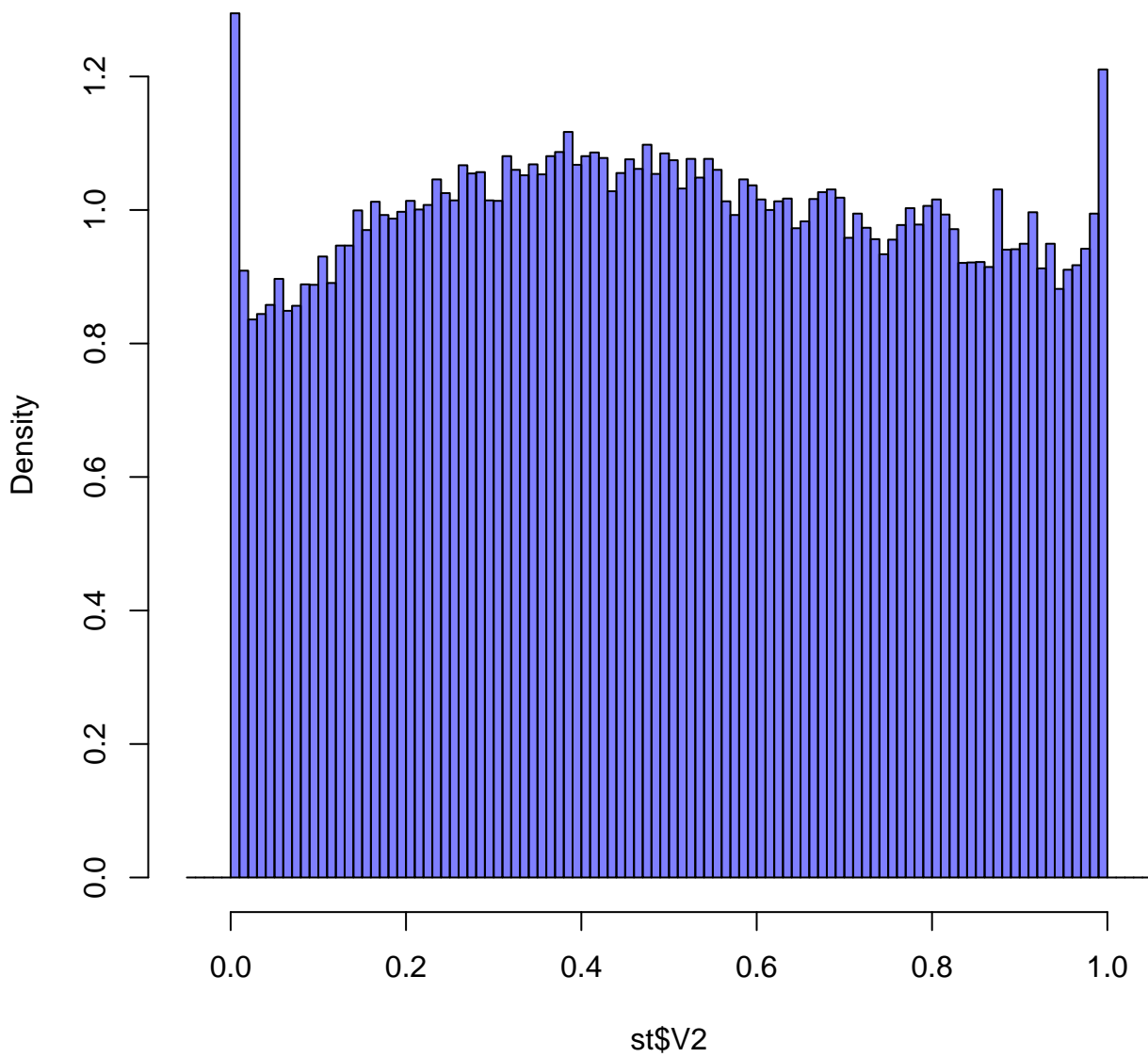


$R\langle\text{ASN}\rangle A\langle\text{O}\rangle$

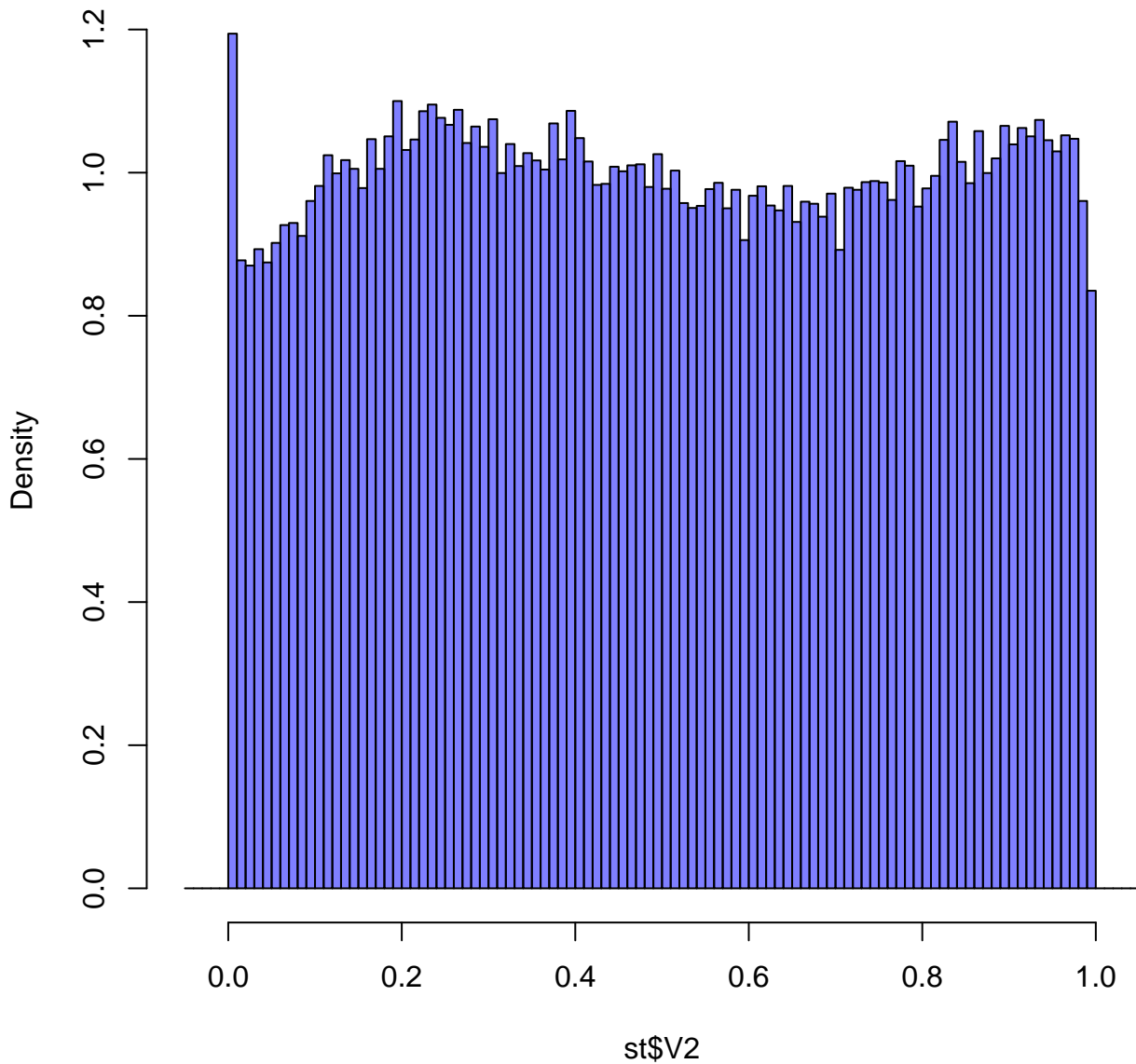




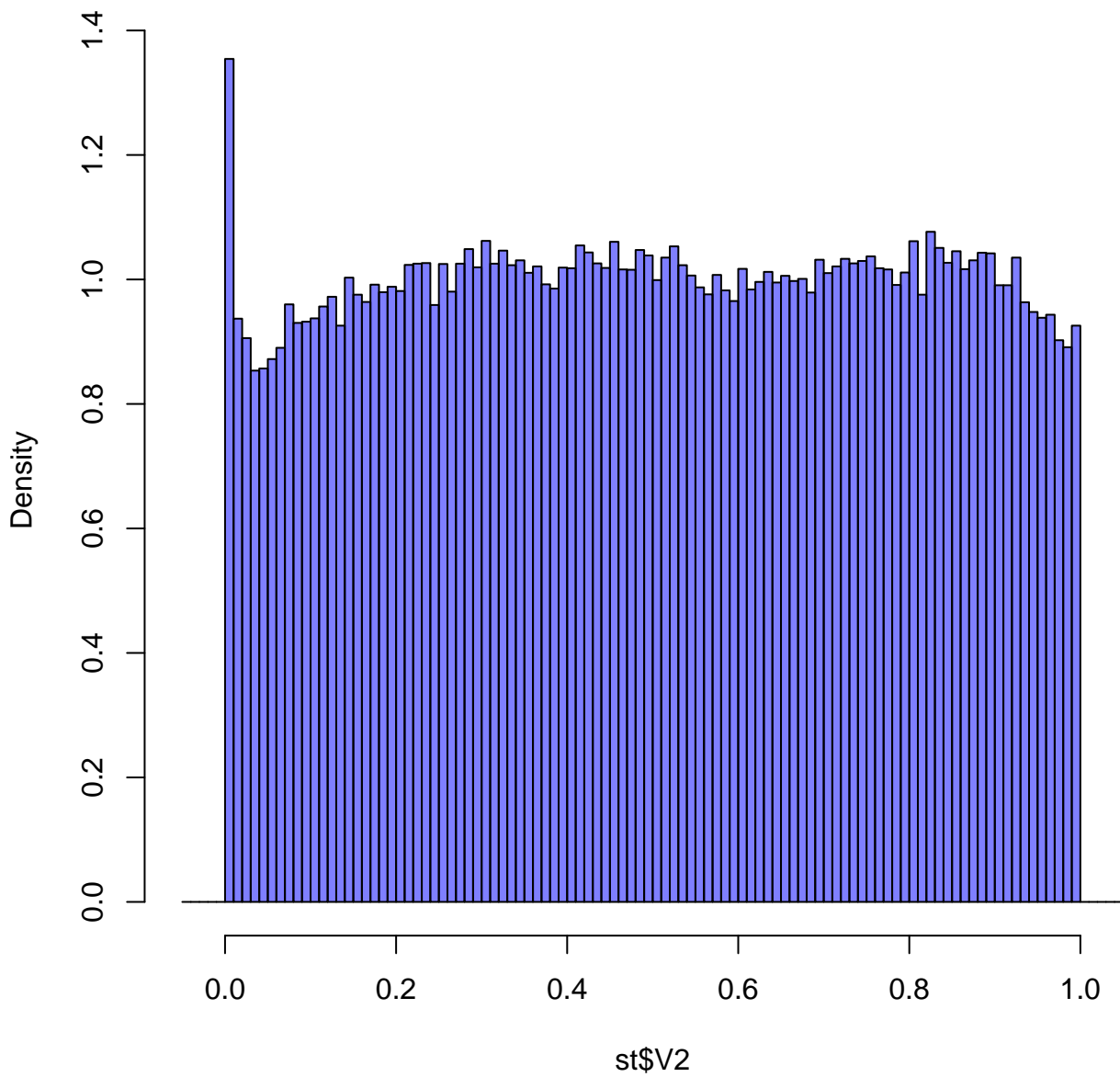
R<ASN>A<OD1>



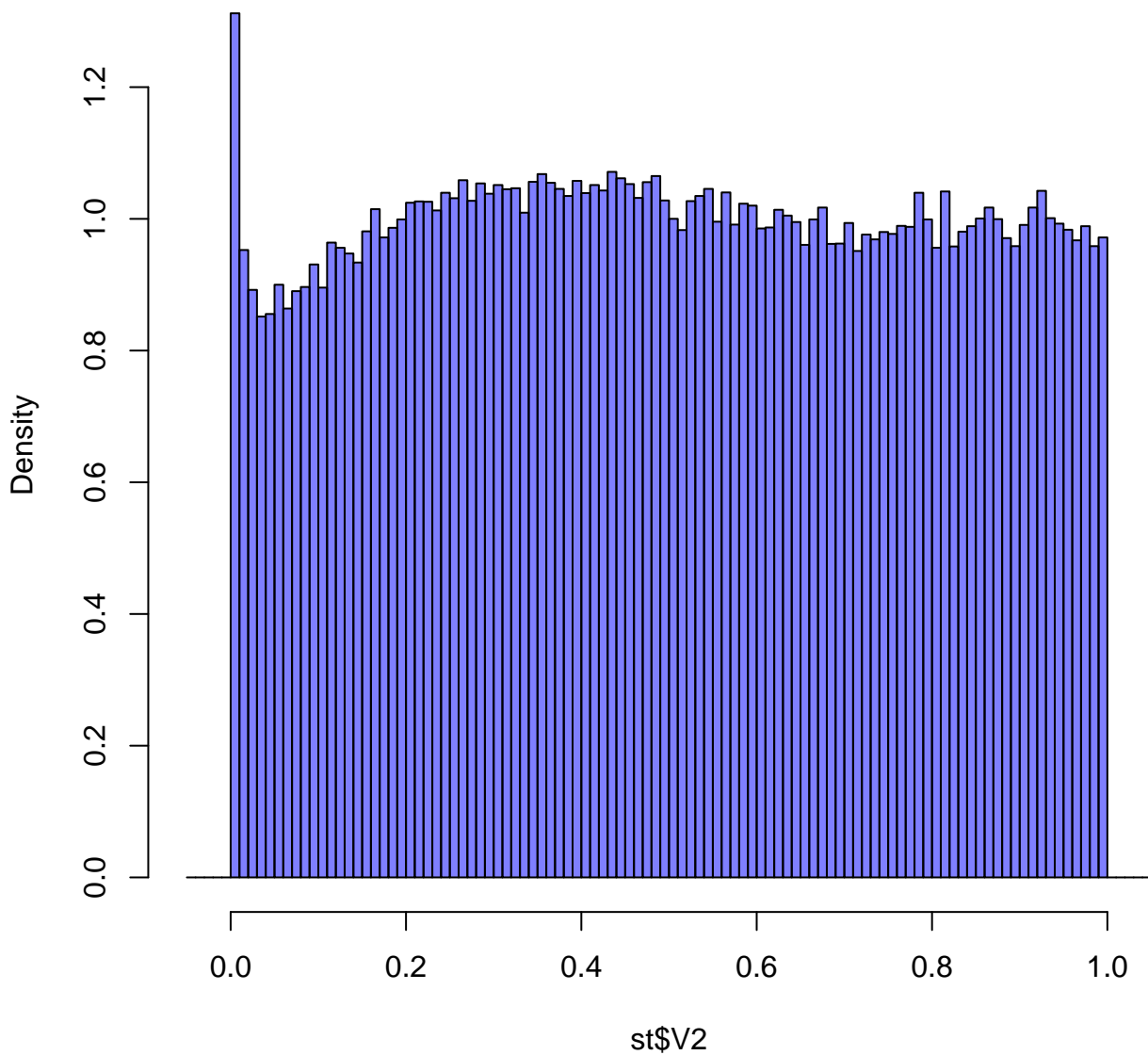
**R<ASP>A<C>**



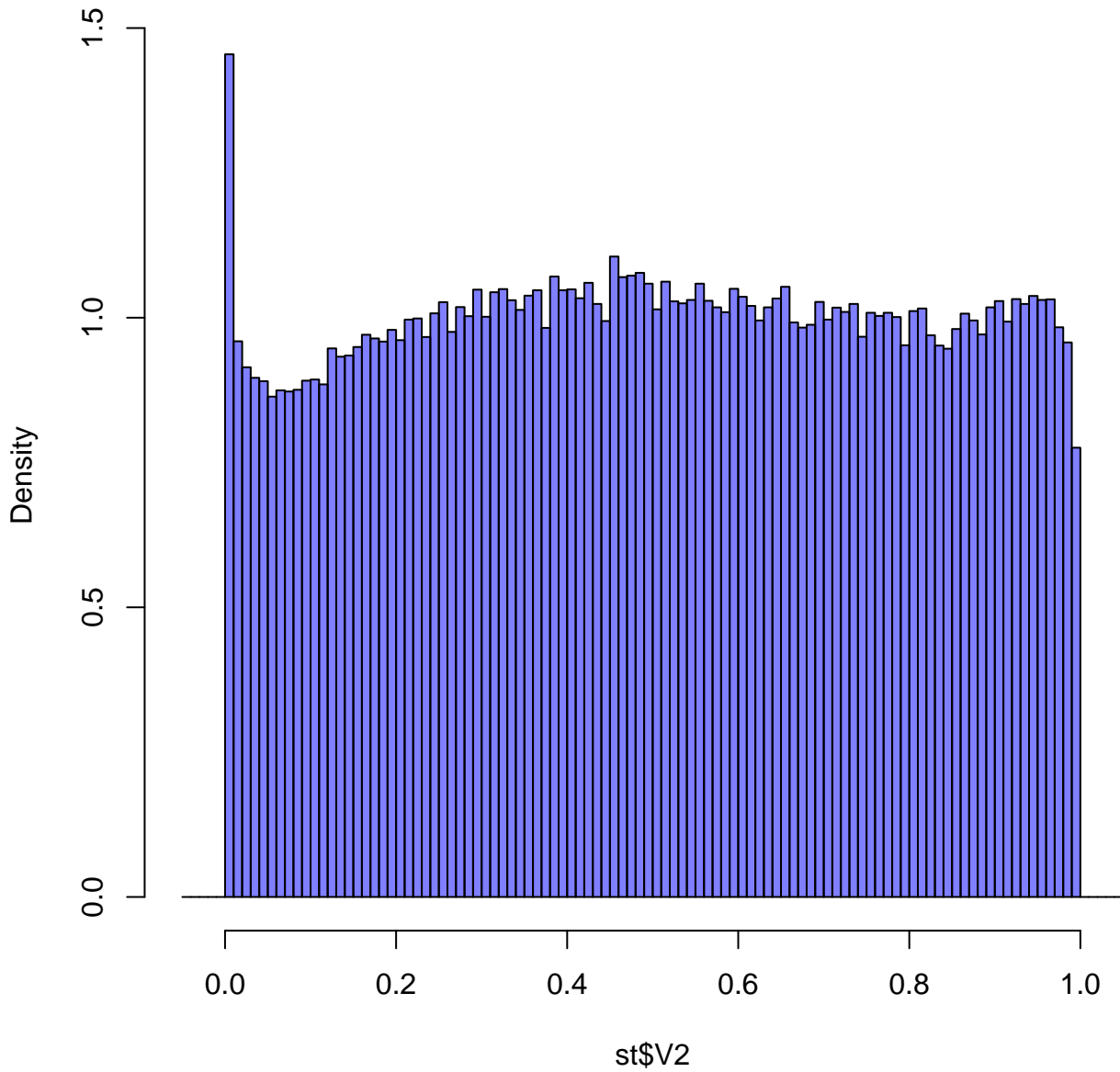
$R\langle ASP \rangle A\langle CA \rangle$



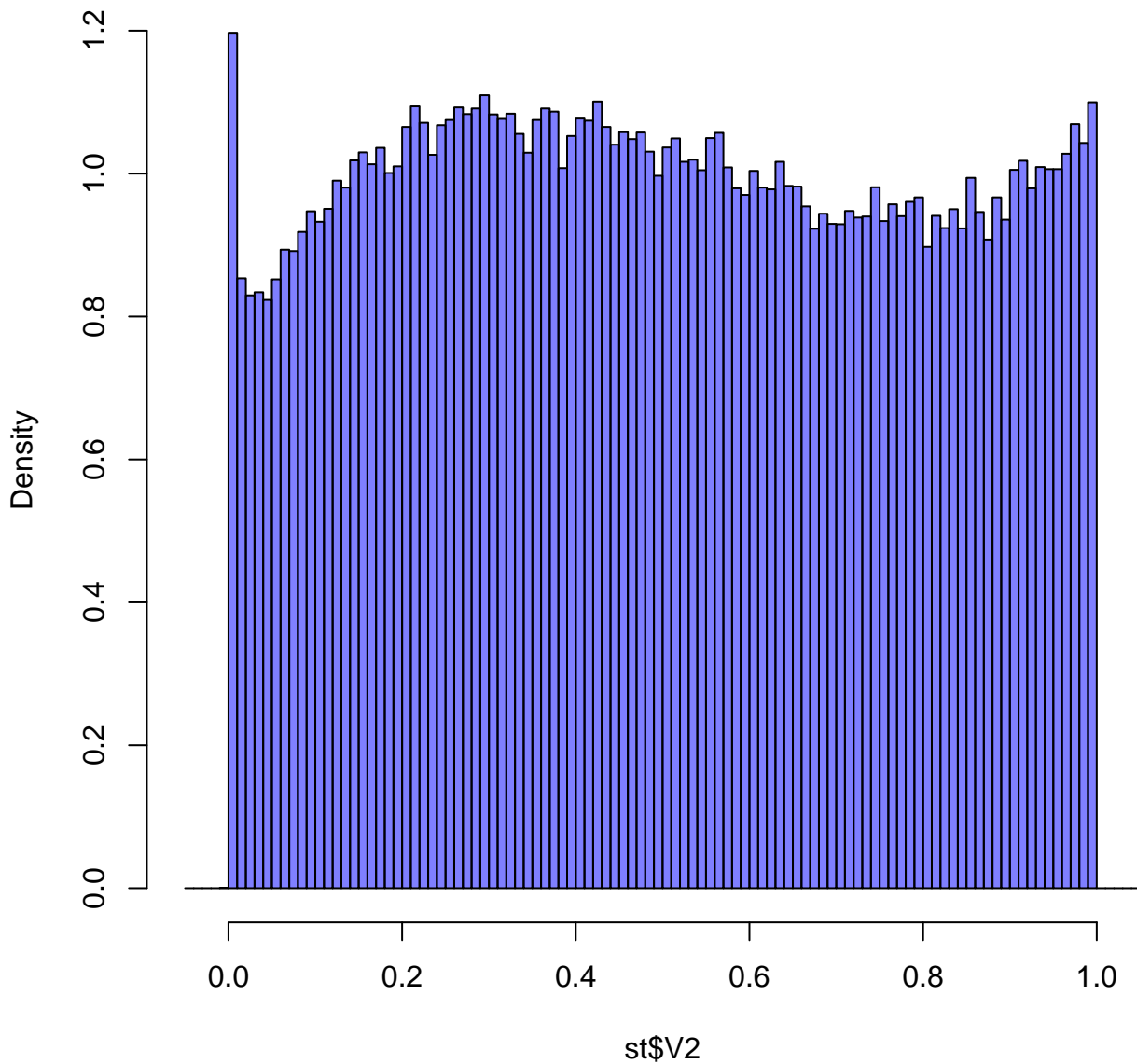
**R<ASP>A<CB>**



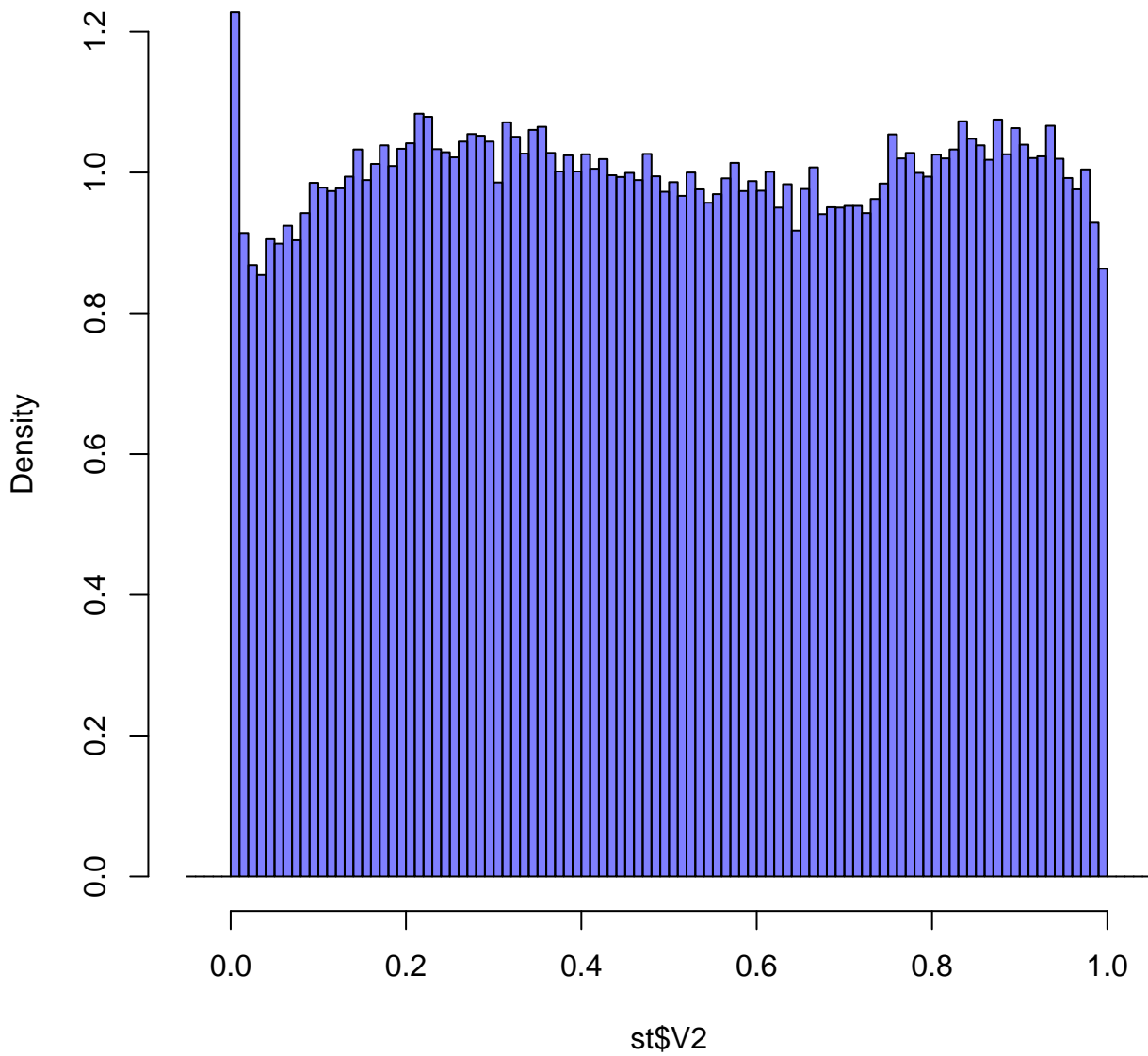
**R<ASP>A<CG>**



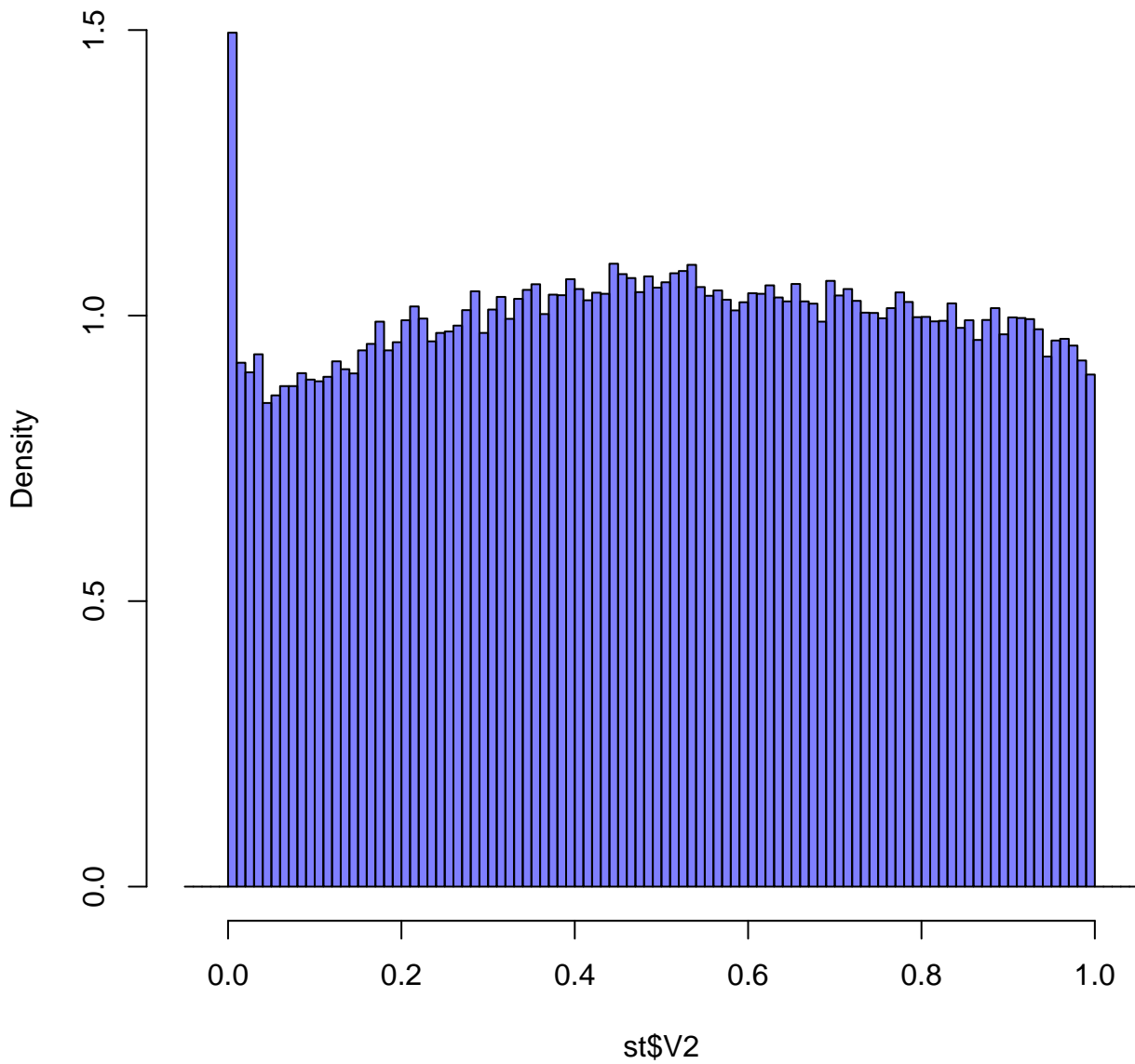
$R\langle ASP \rangle A\langle N \rangle$



R<ASP>A<O>

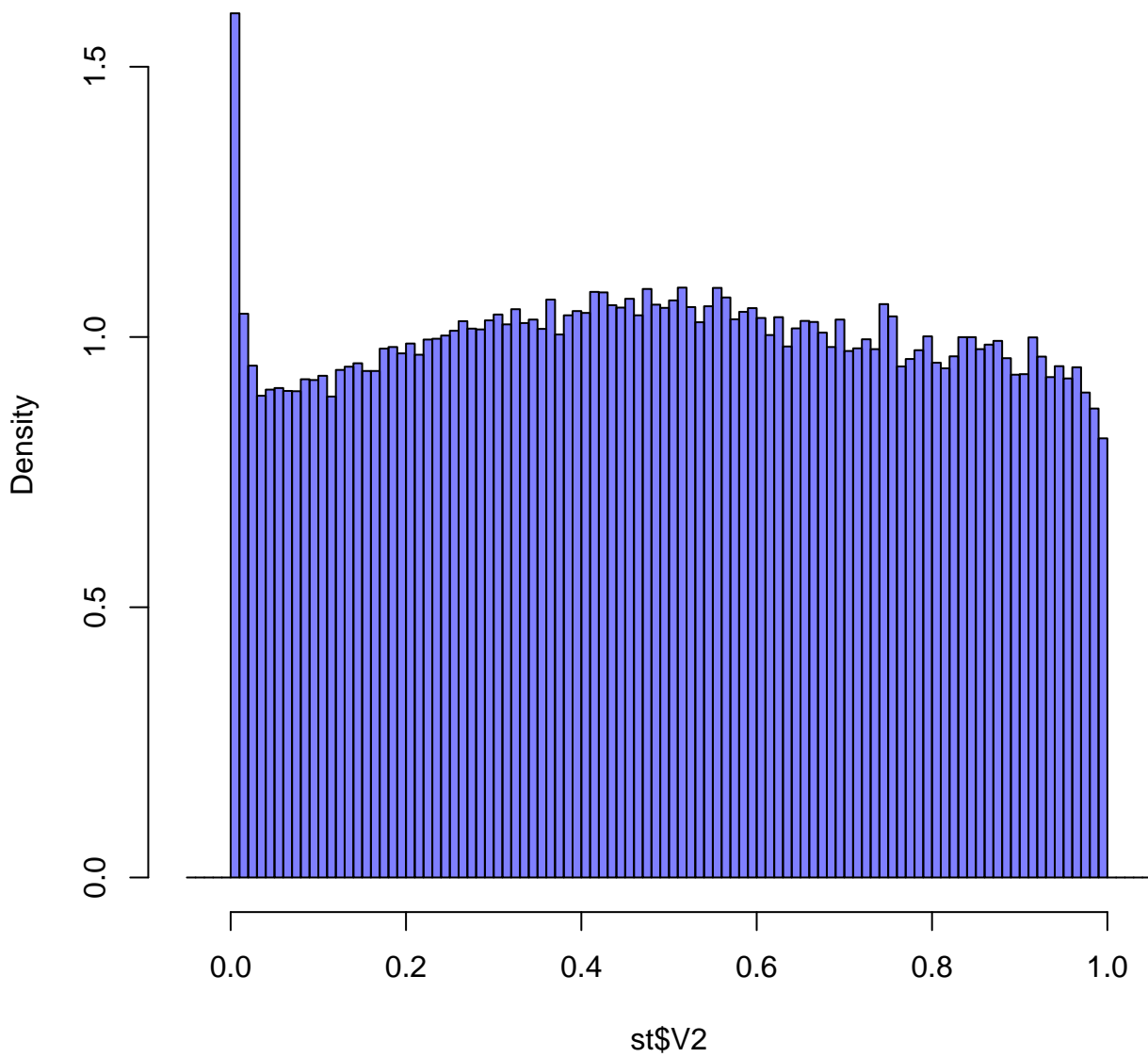


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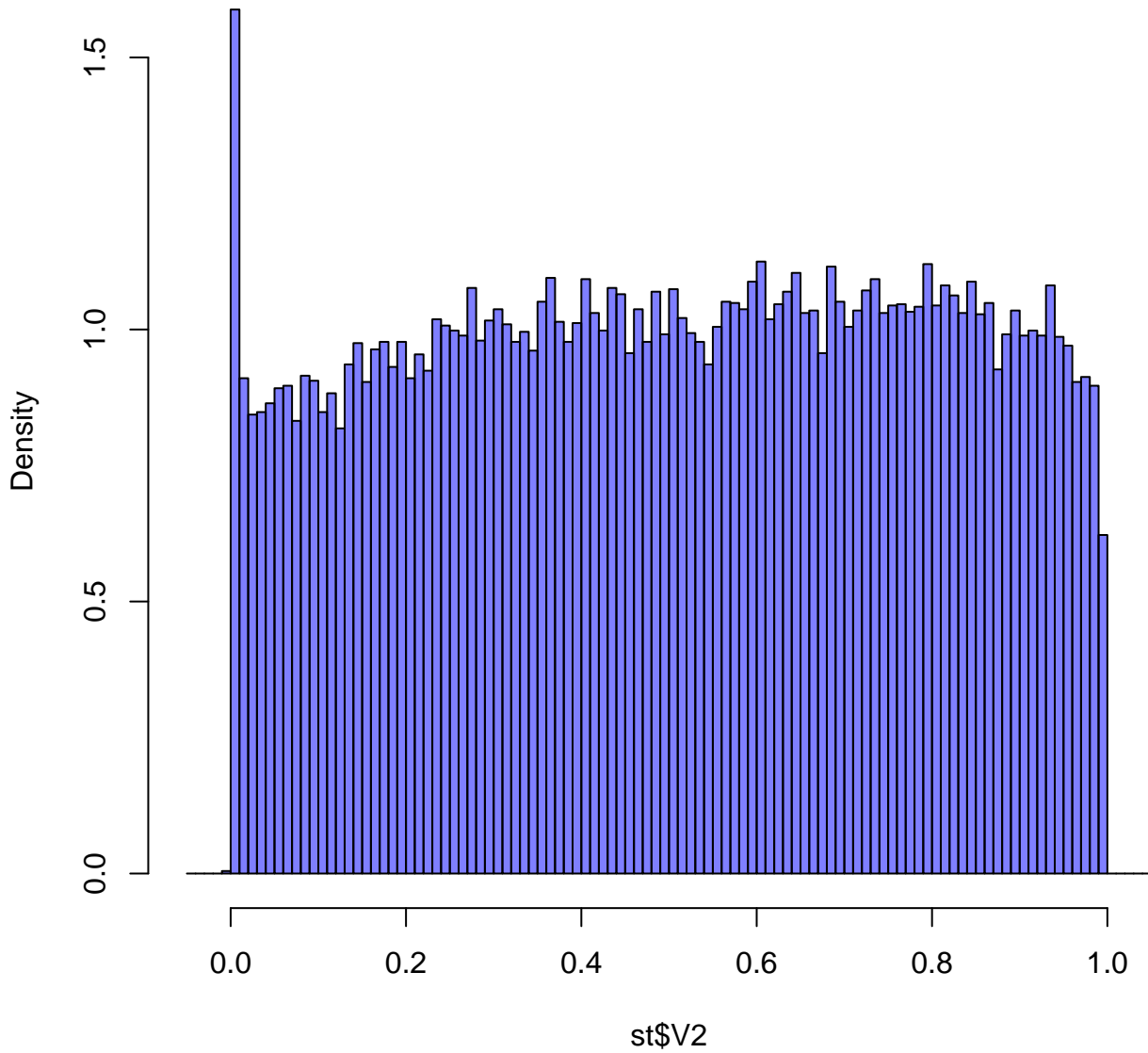




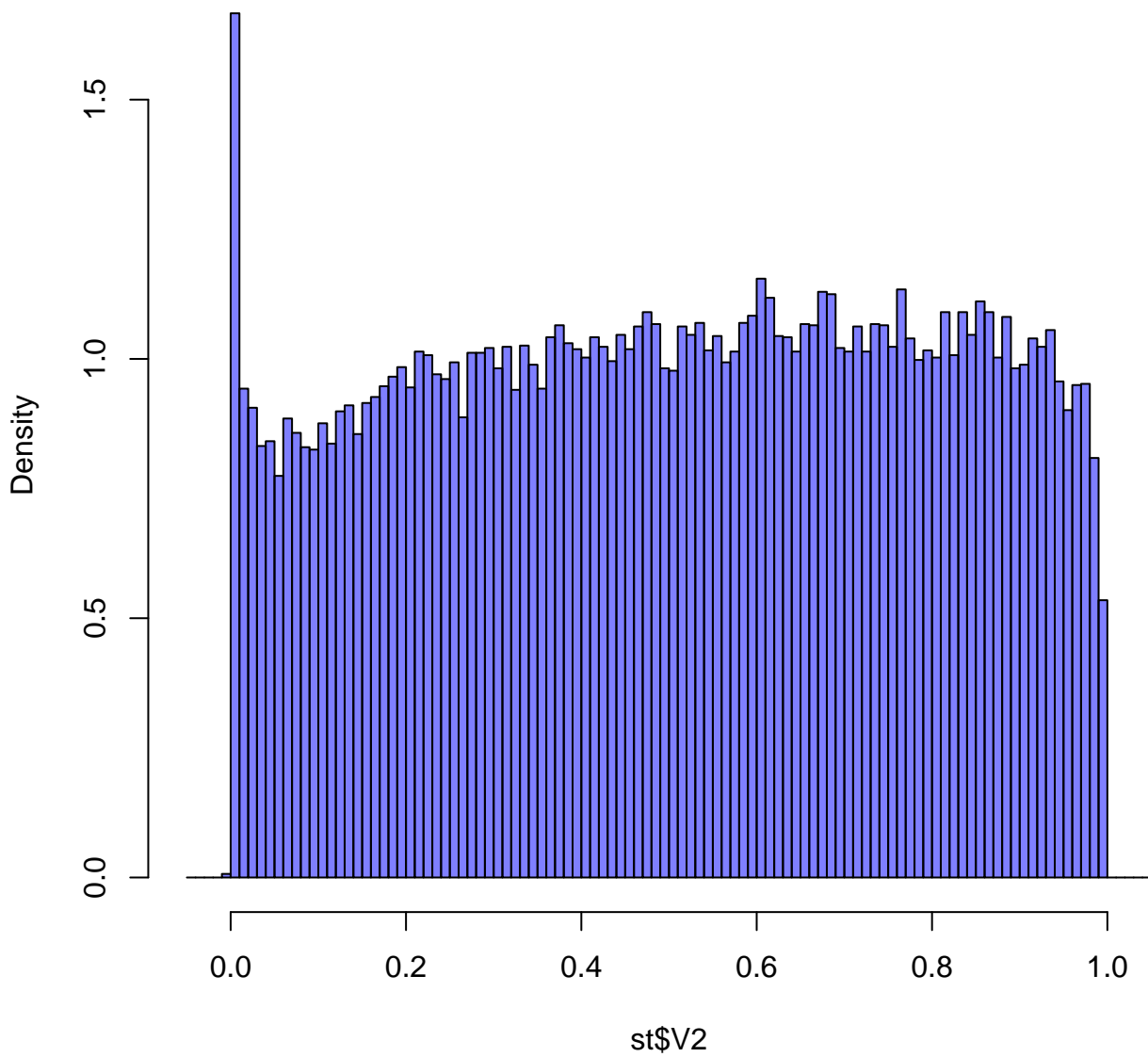
$R\langle ASP \rangle A\langle OD2 \rangle$



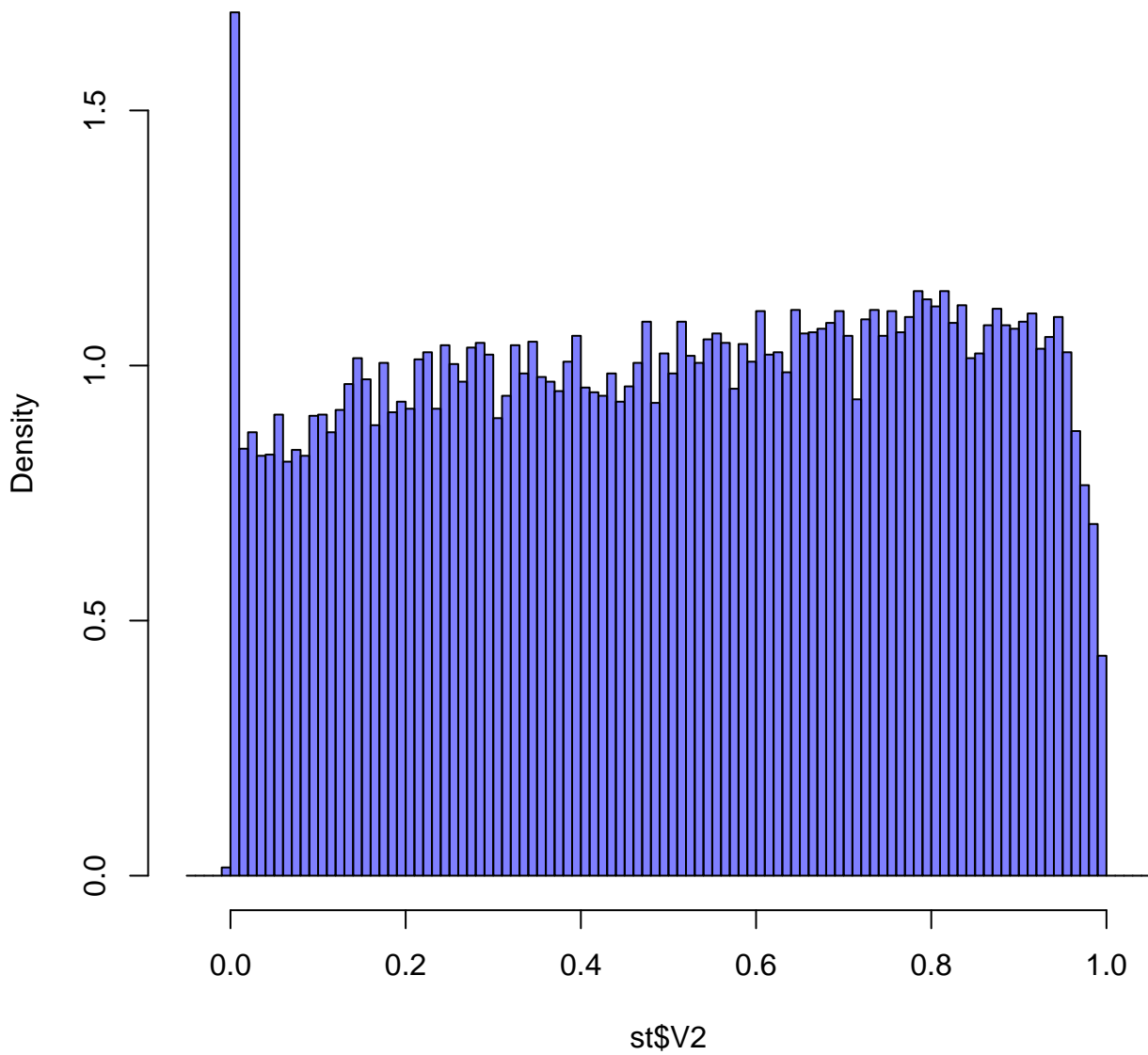
R<CYS>A<C>



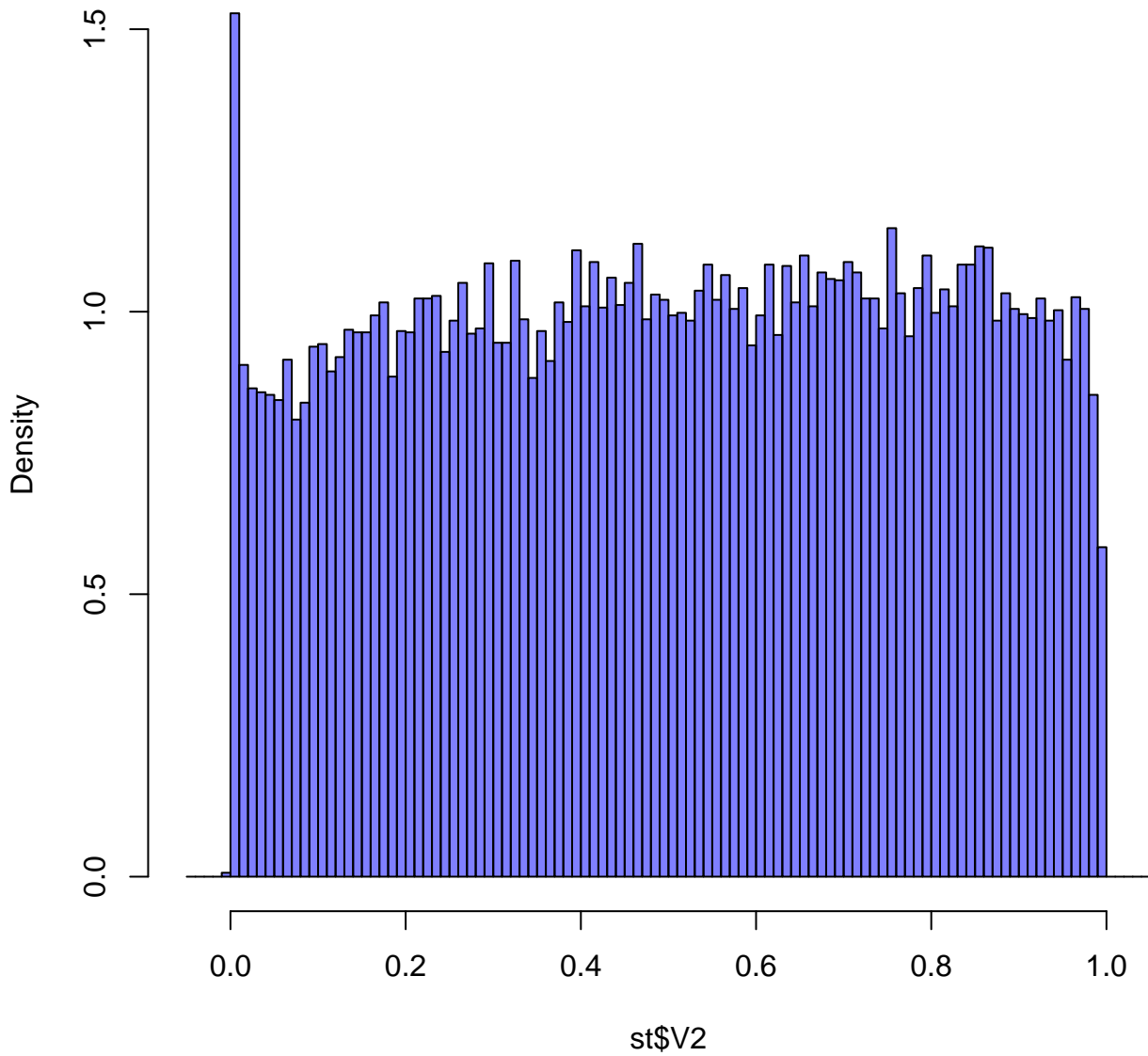
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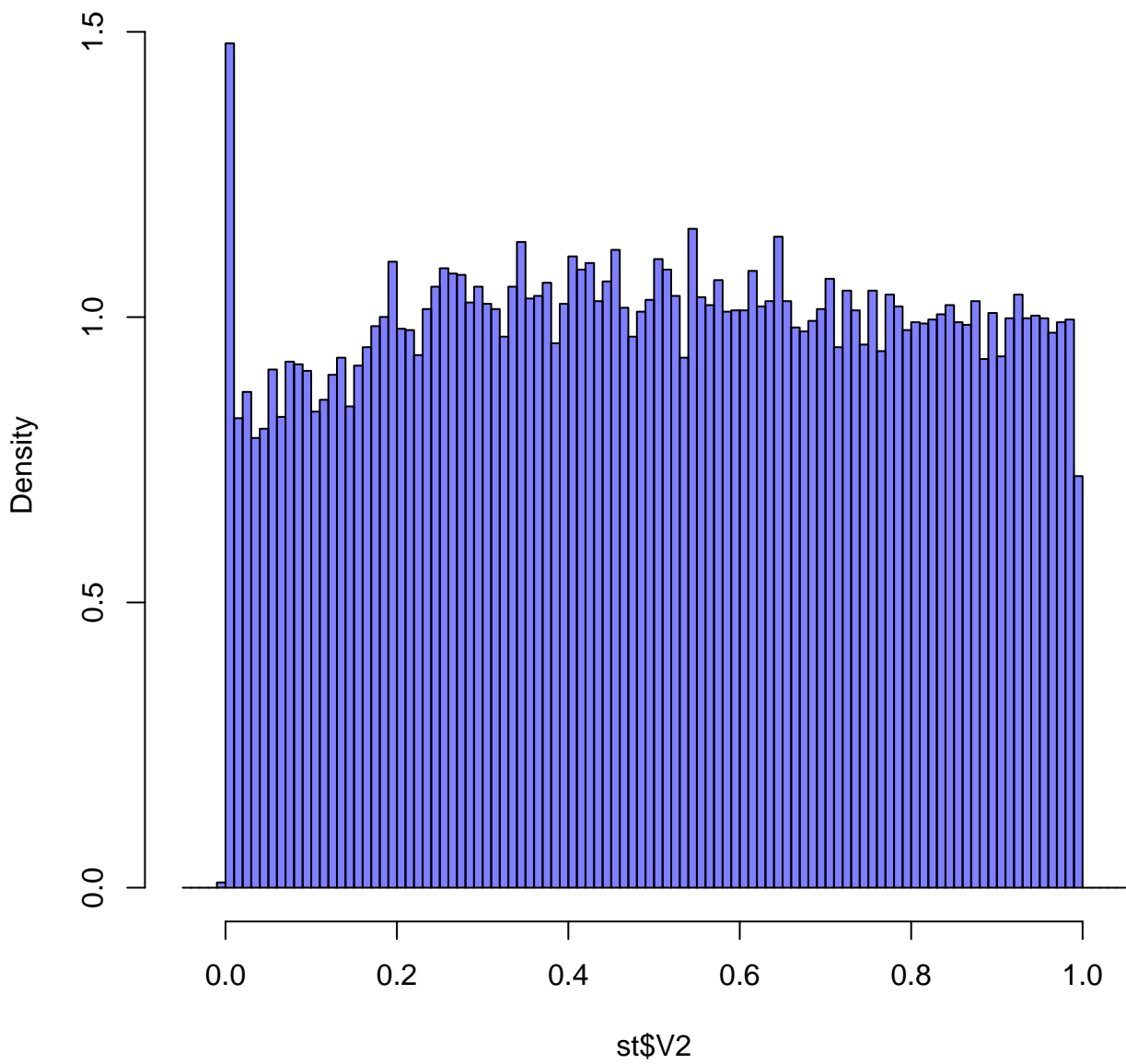
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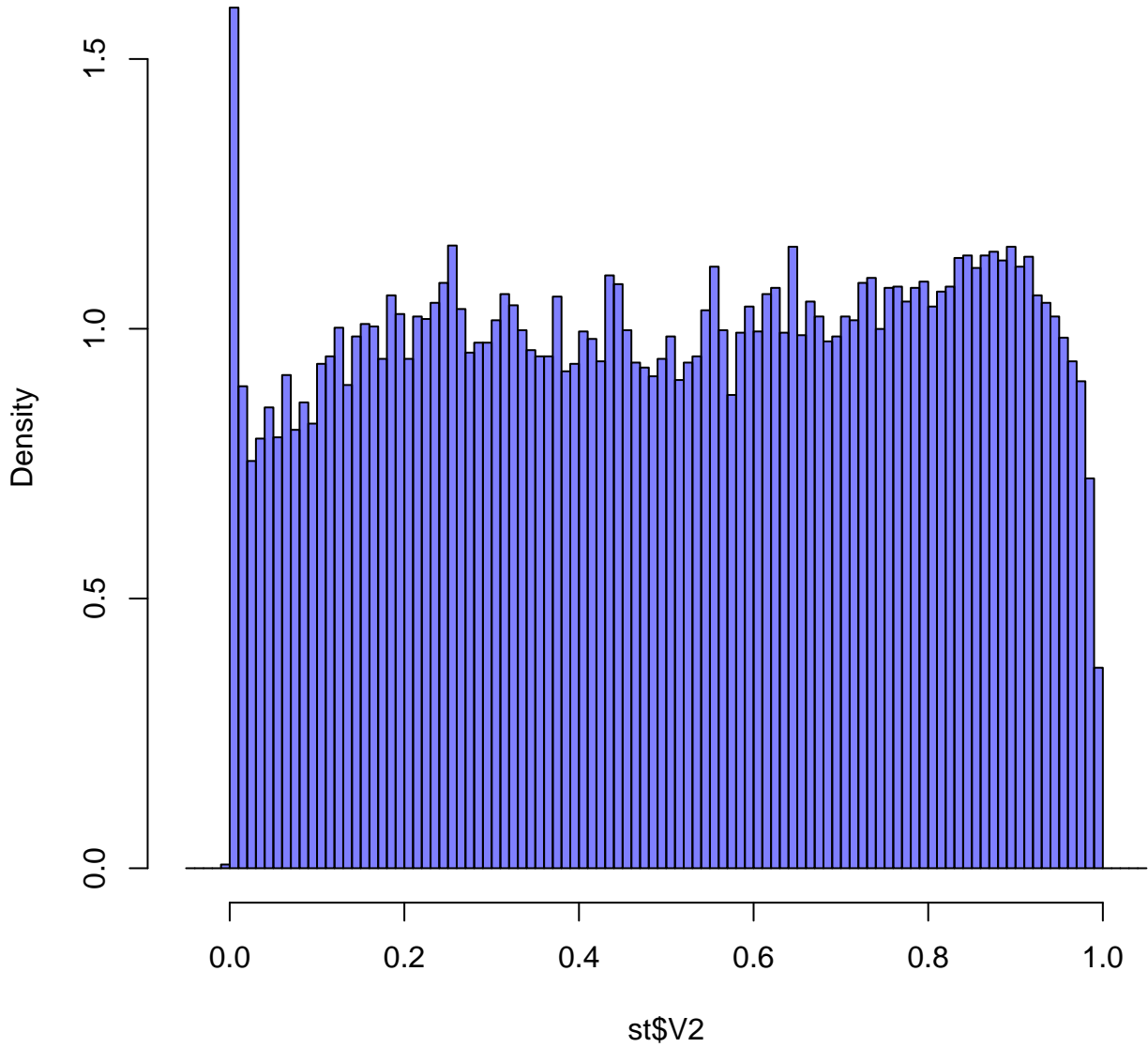
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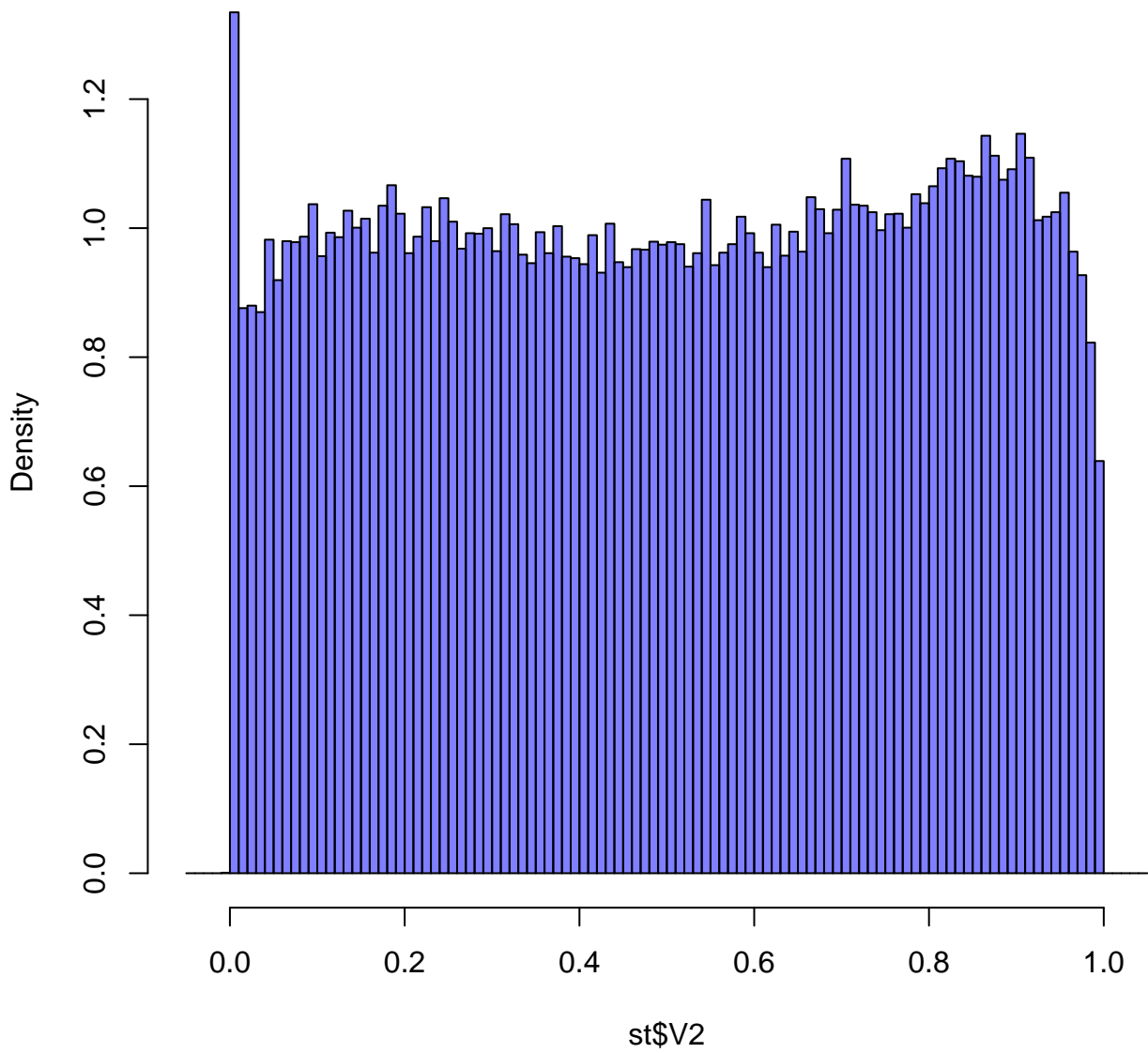
R<CYS>A<O>



**R<CYS>A<SG>**

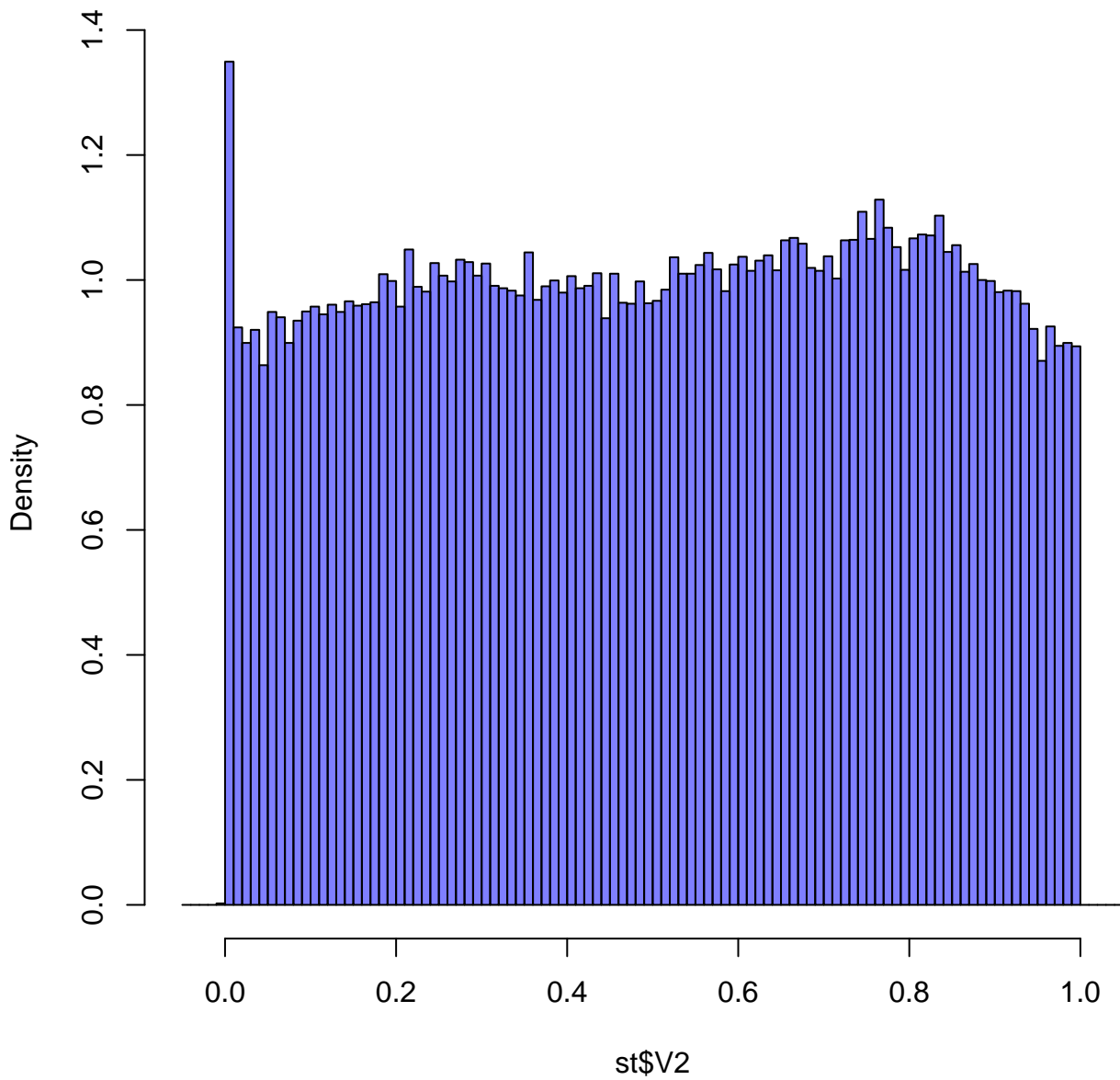


R<GLN>A<C>

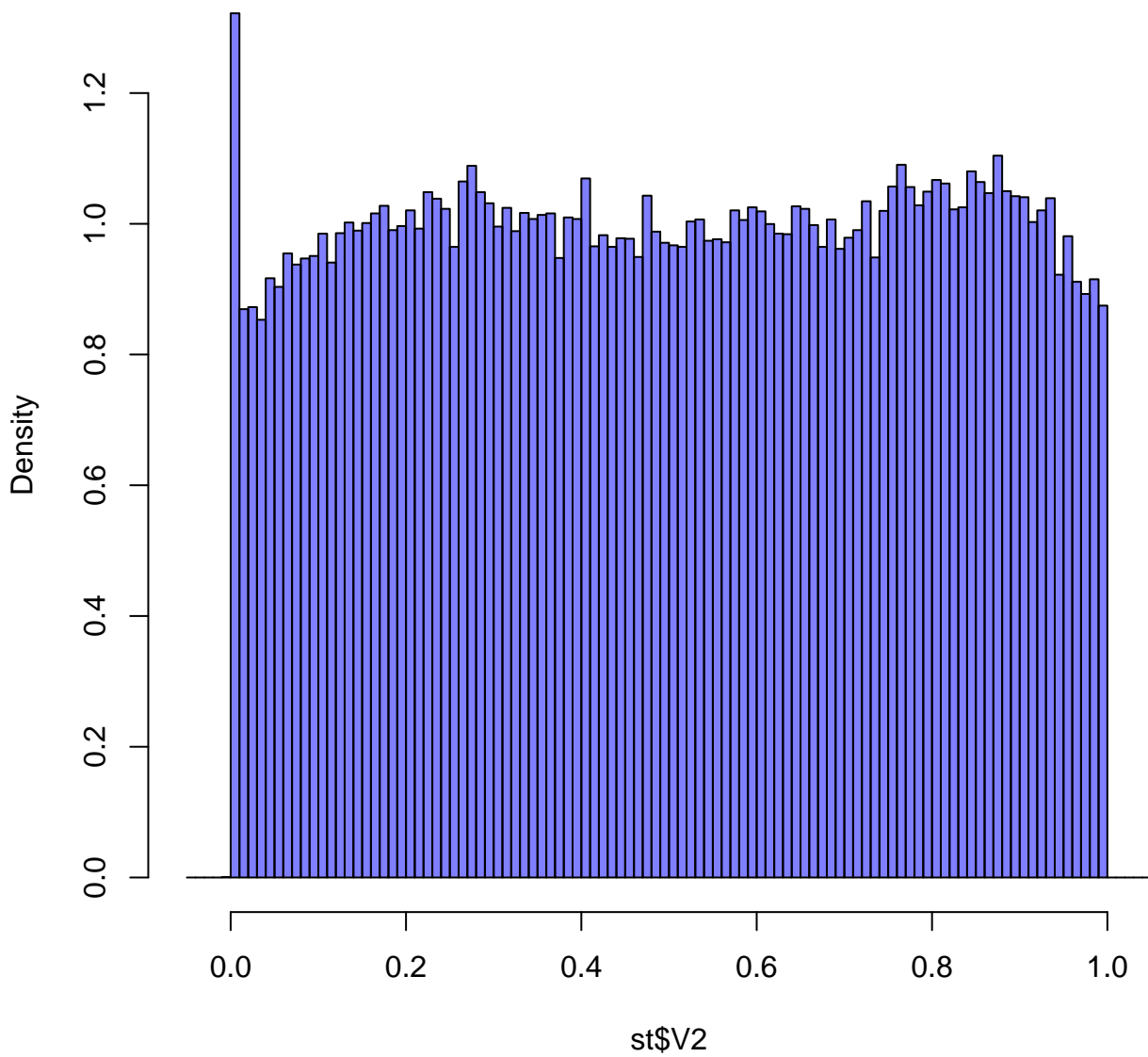




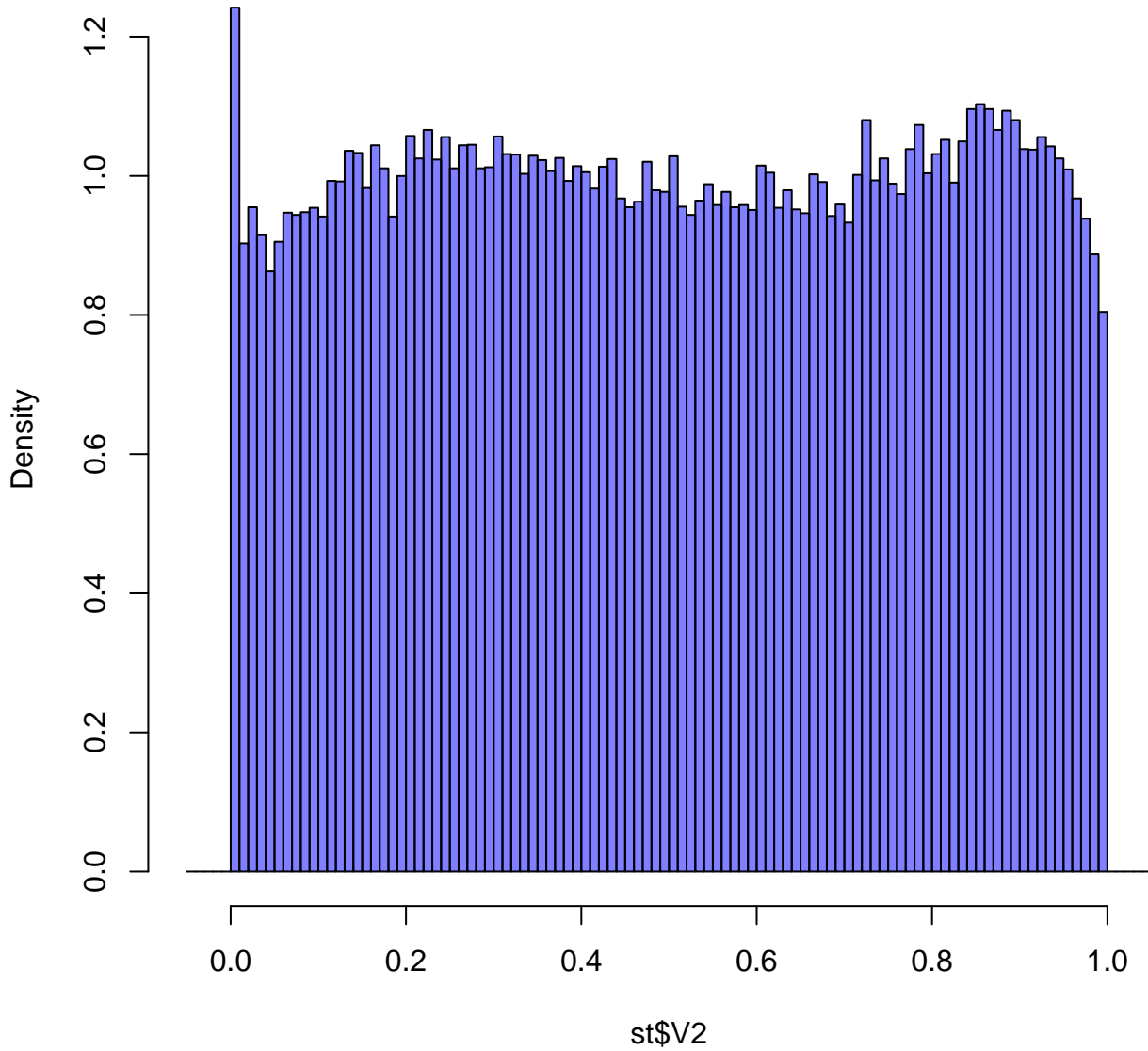
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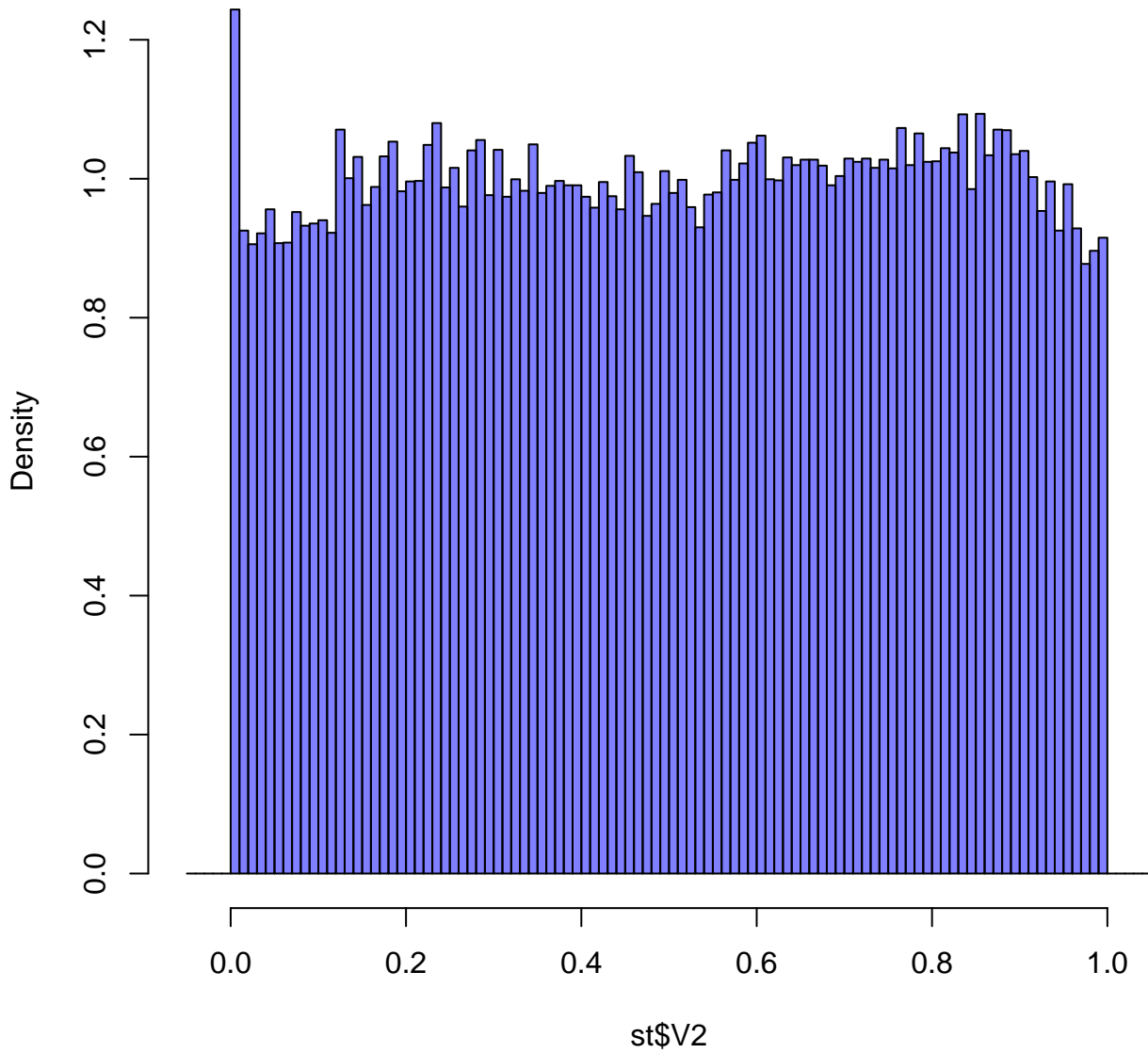
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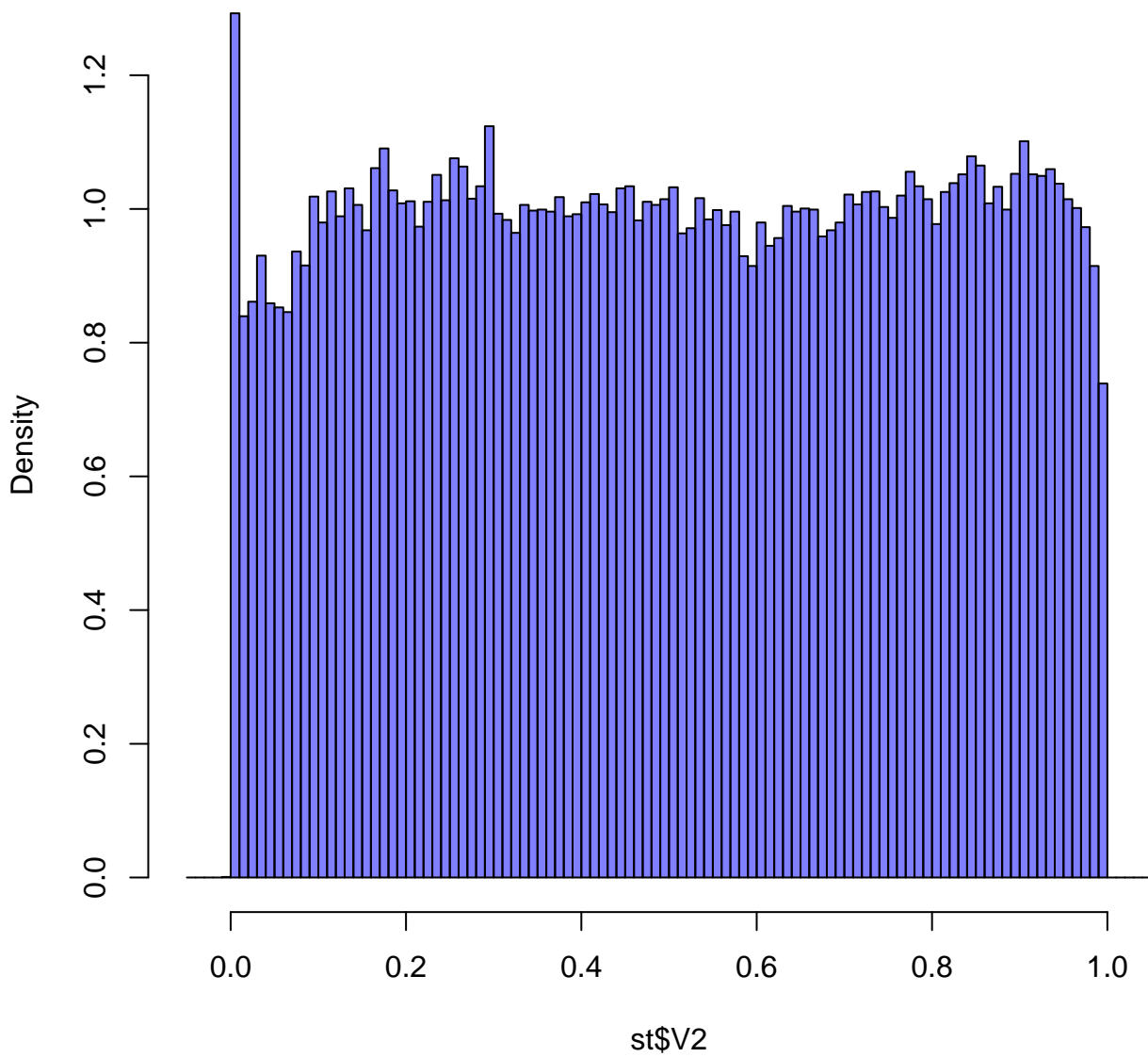
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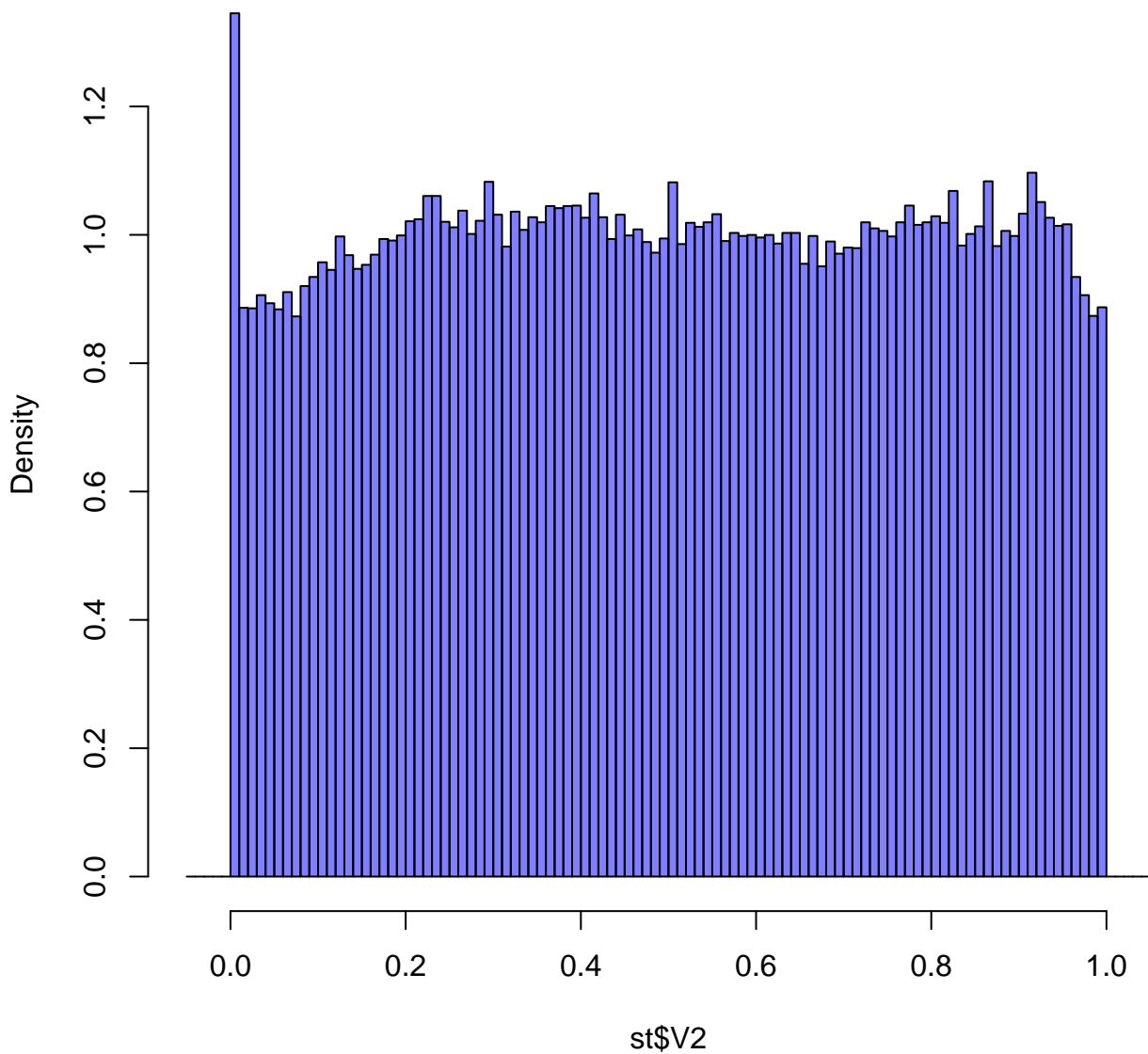
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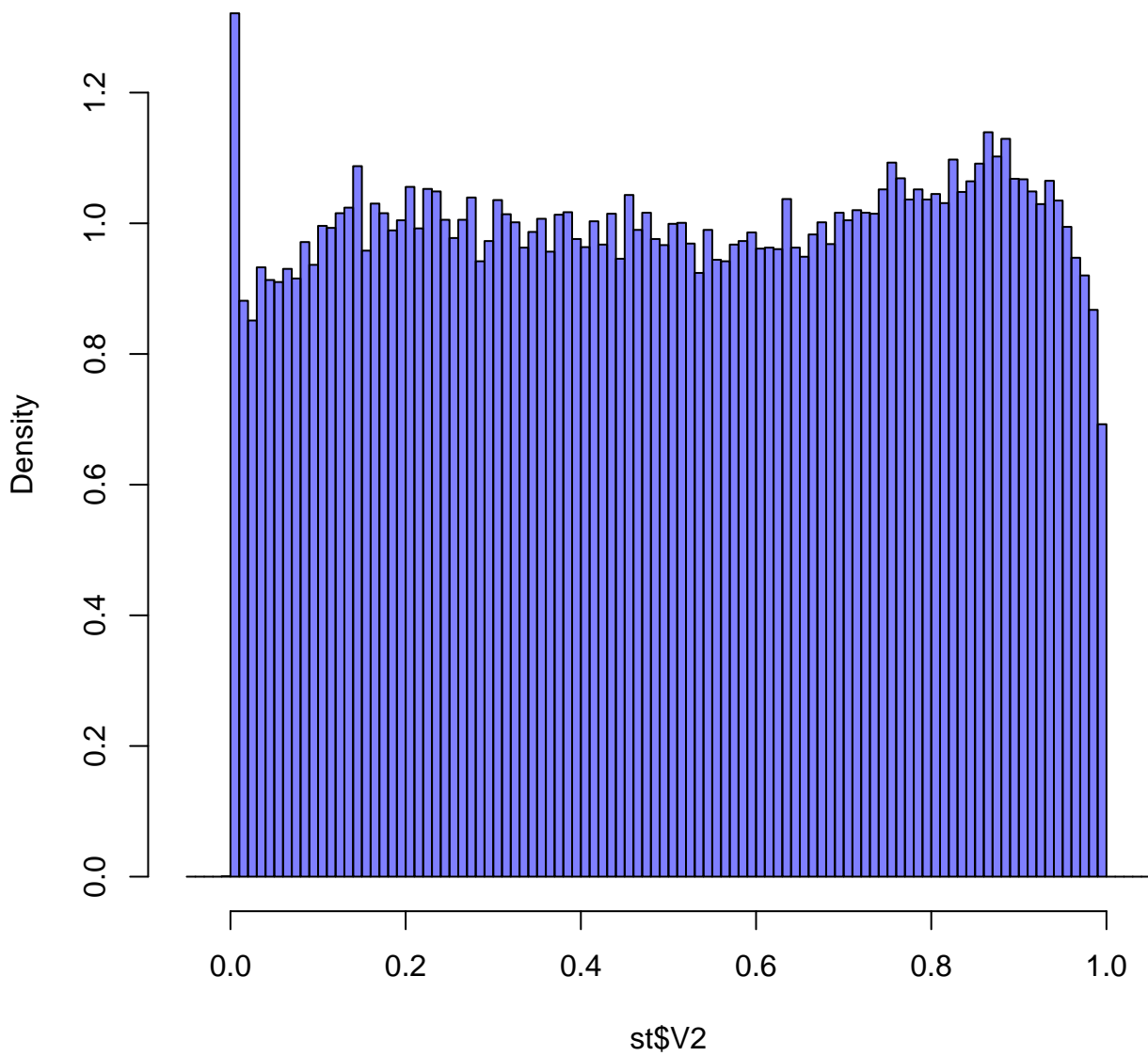
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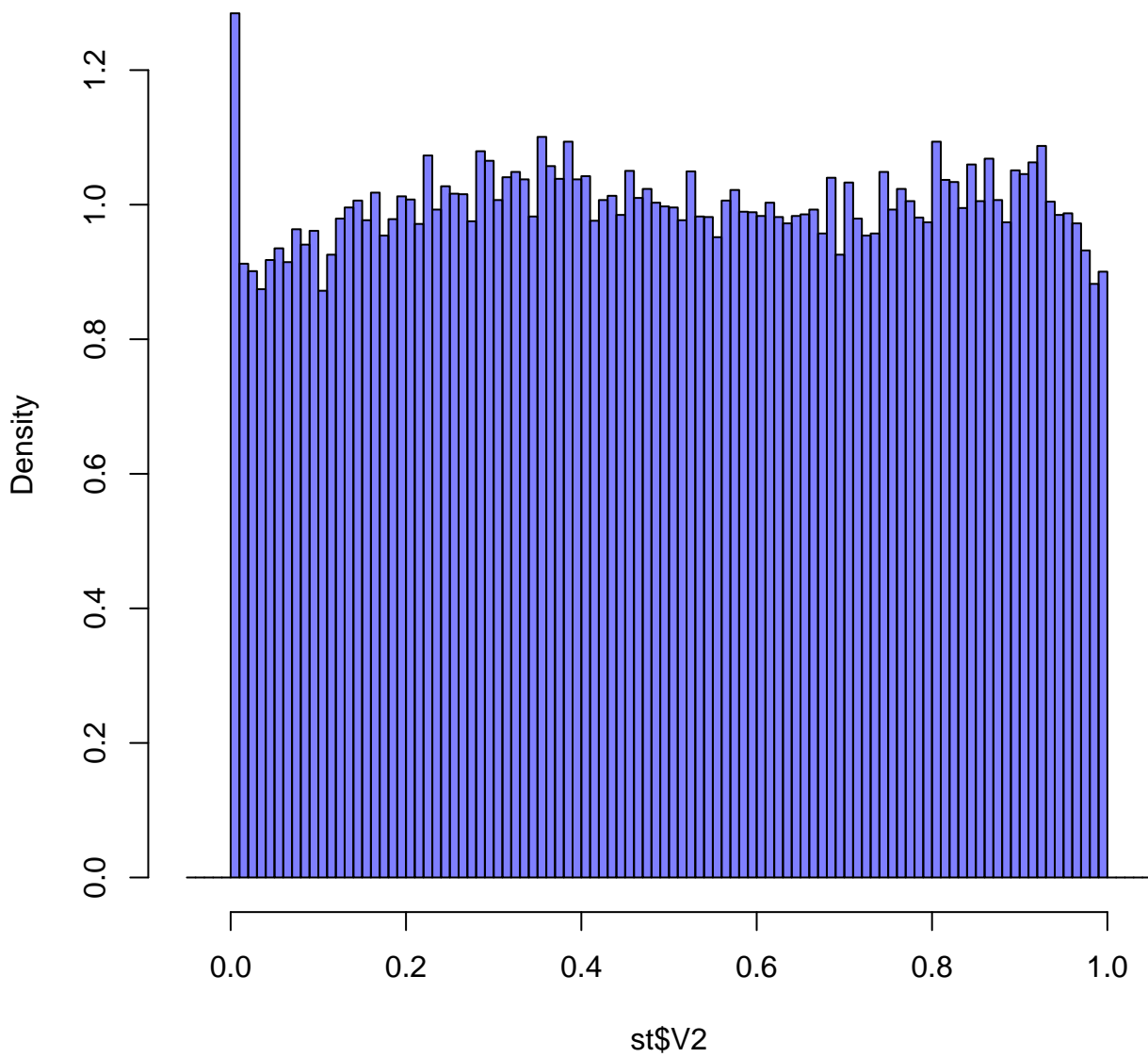
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R<GLN>A<O>

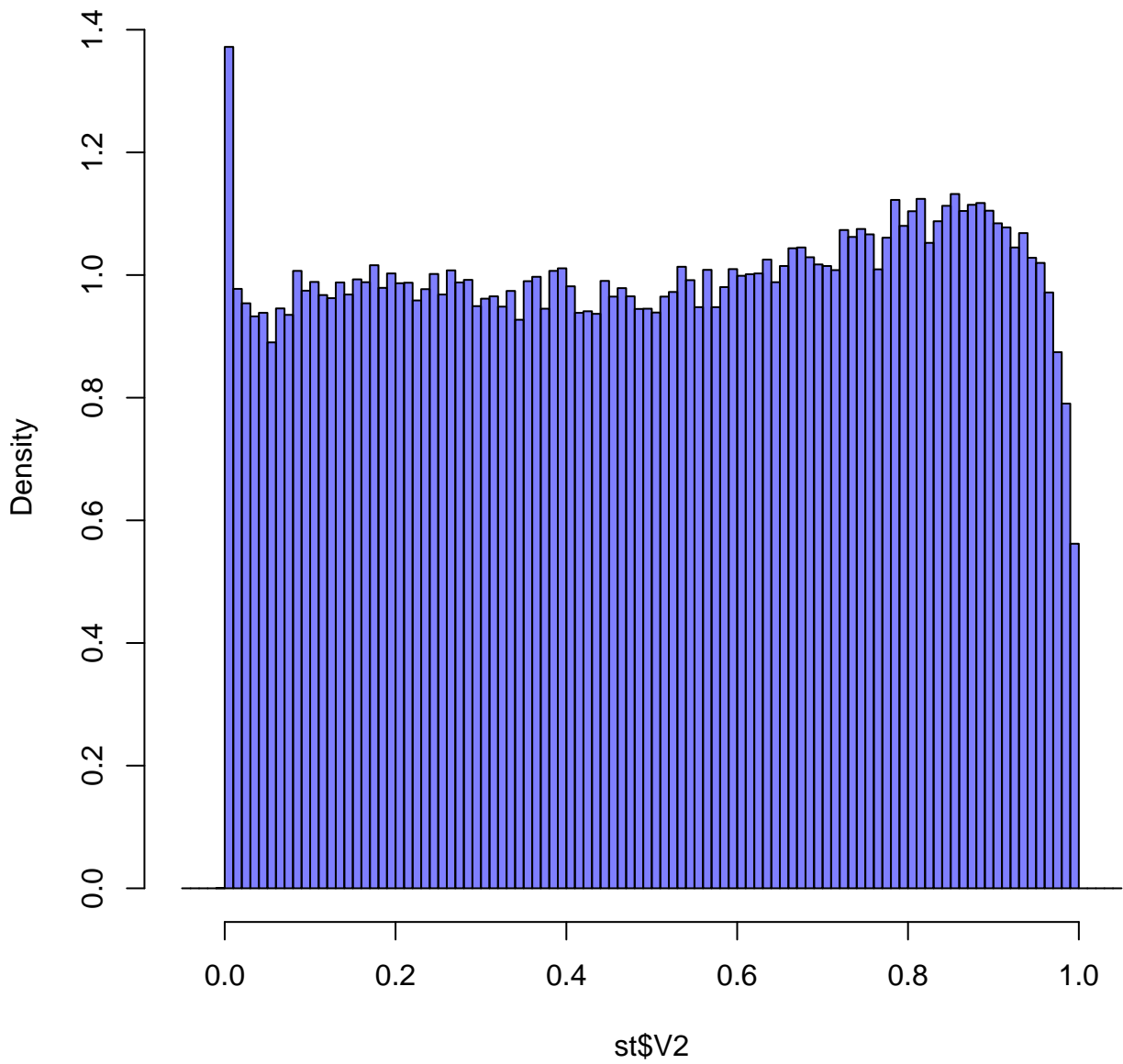


**R<GLN>A<OE1>**

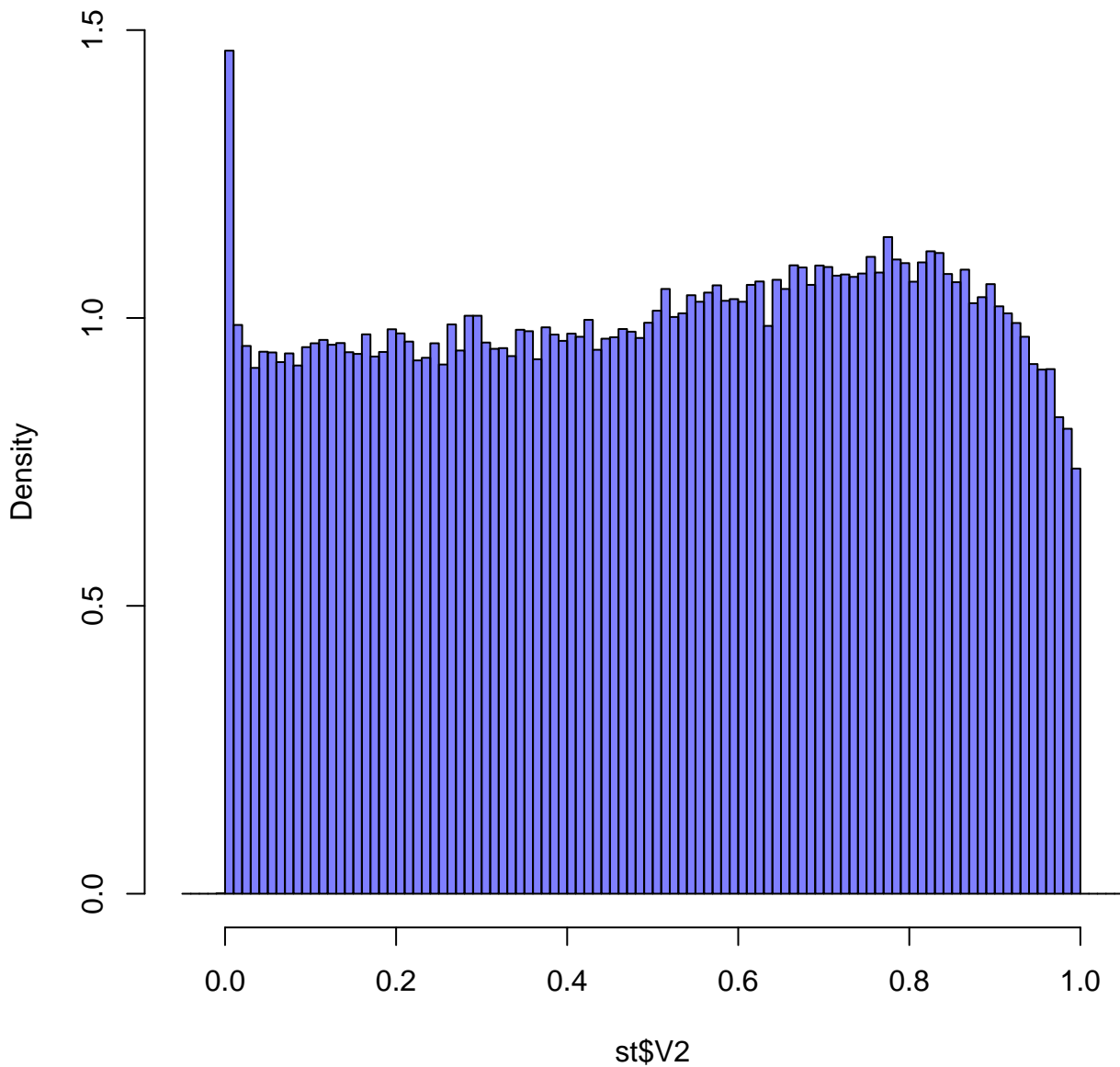




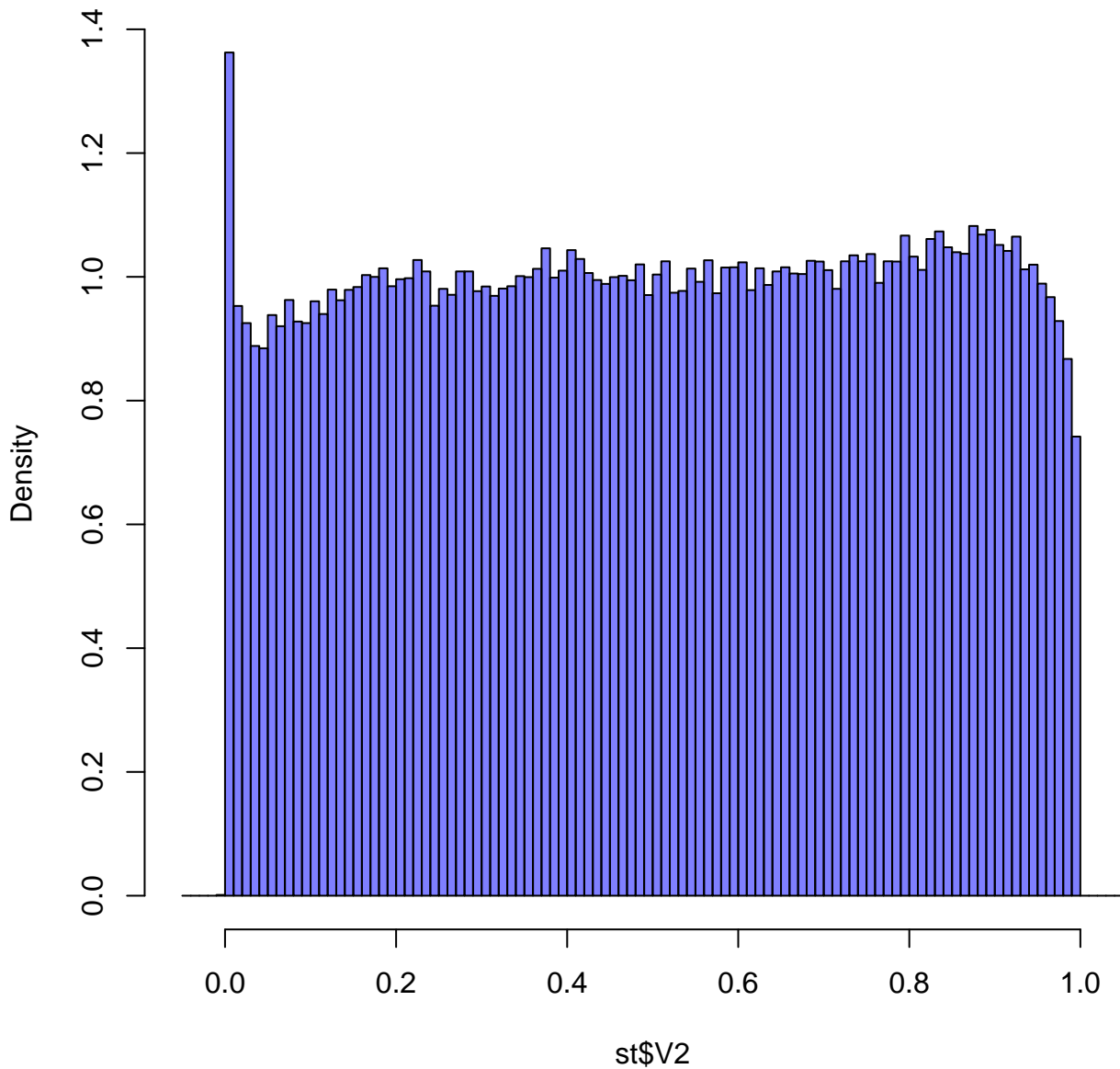
R<GLU>A<C>



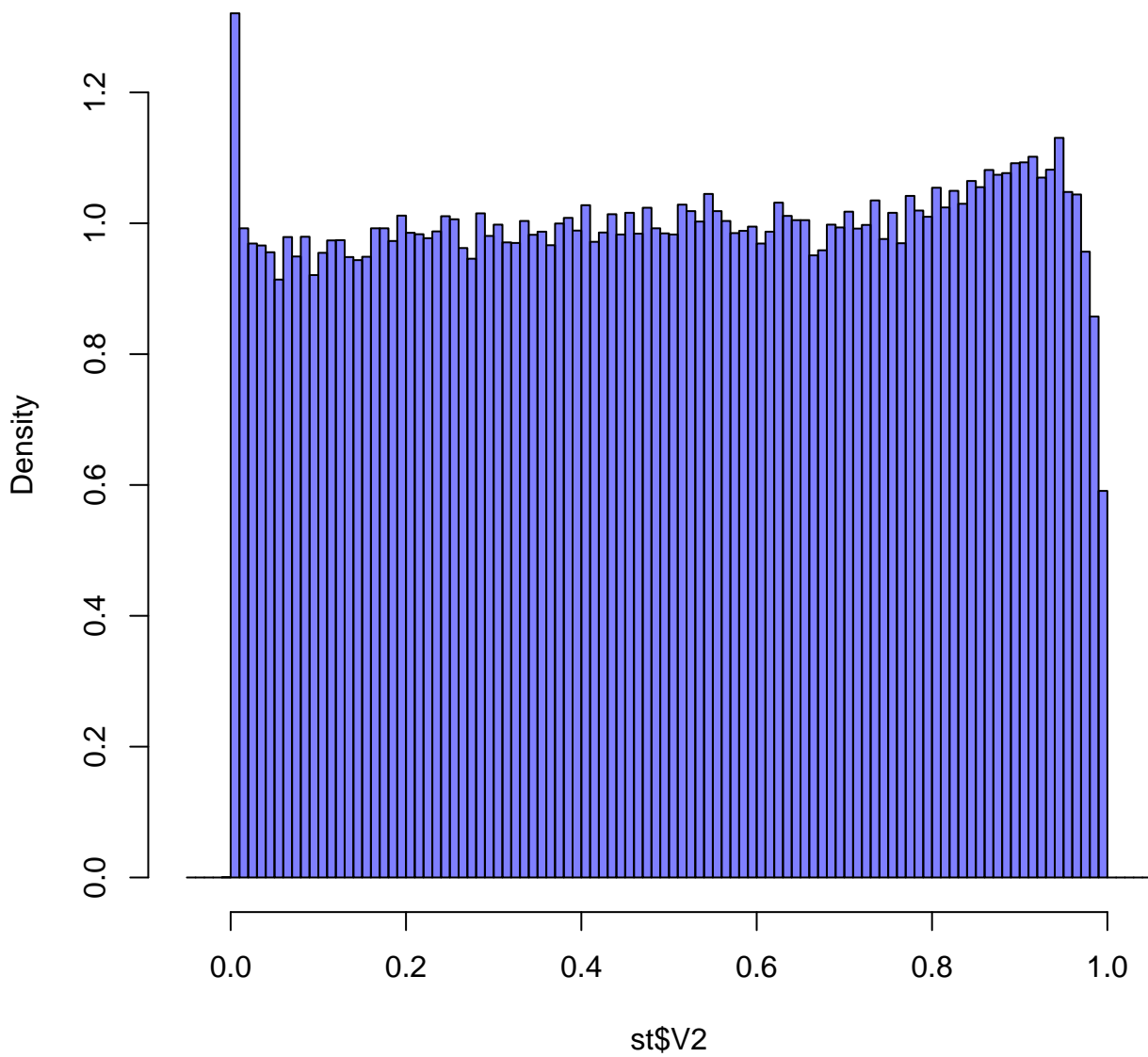
**R<GLU>A<CA>**



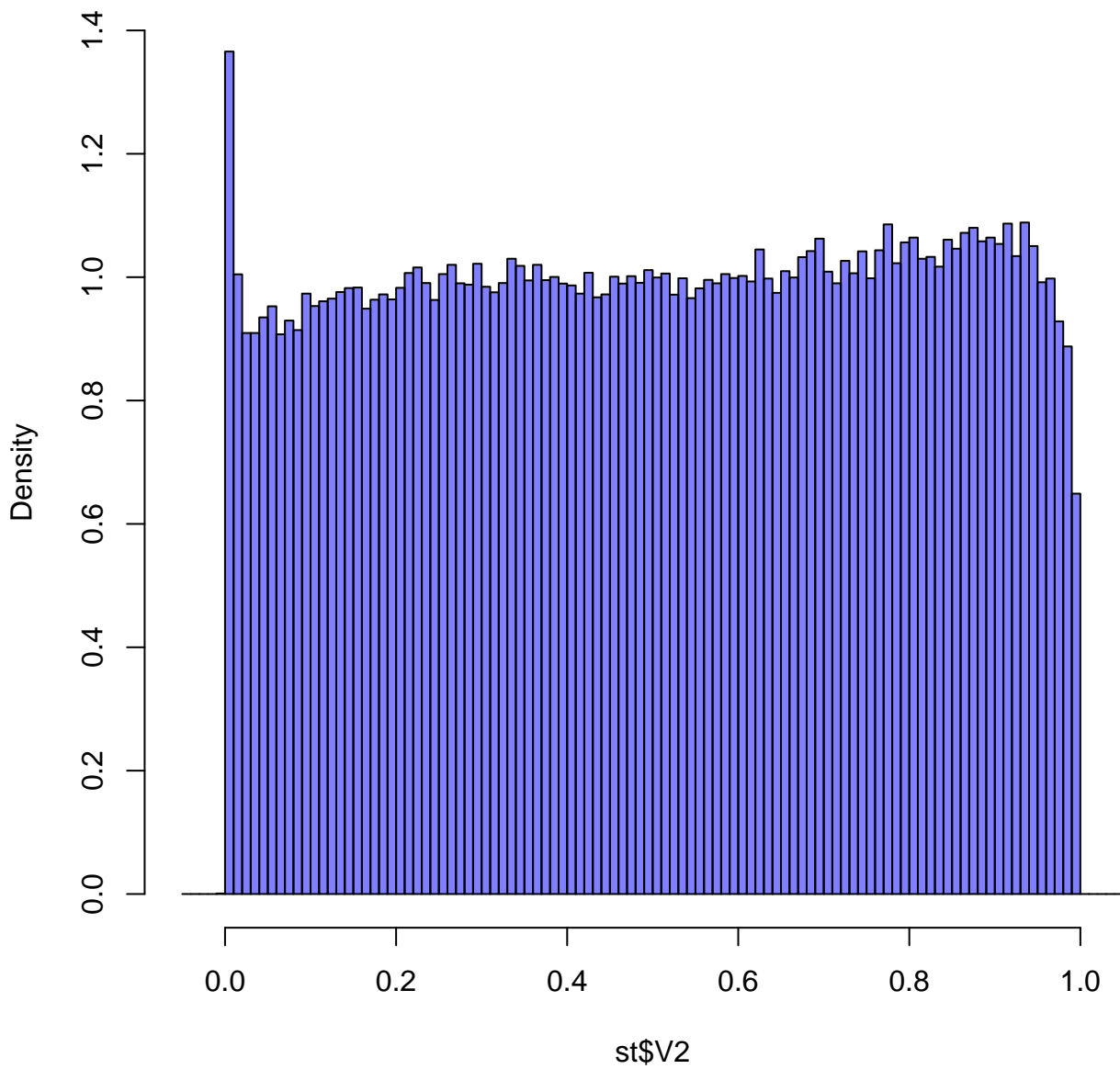
$R\langle\text{GLU}\rangle A\langle\text{CB}\rangle$



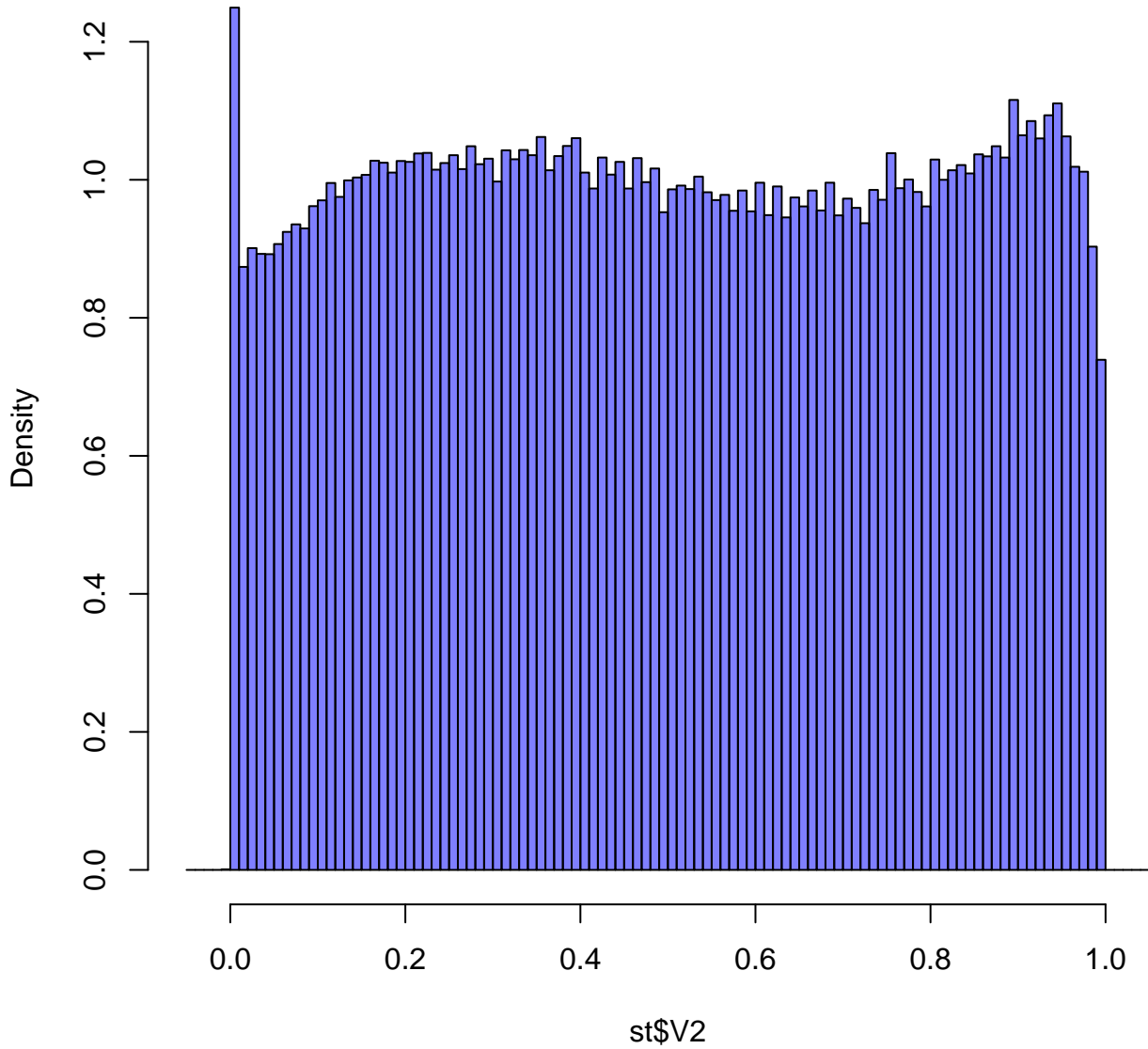
$R\langle\text{GLU}\rangle A\langle\text{CD}\rangle$



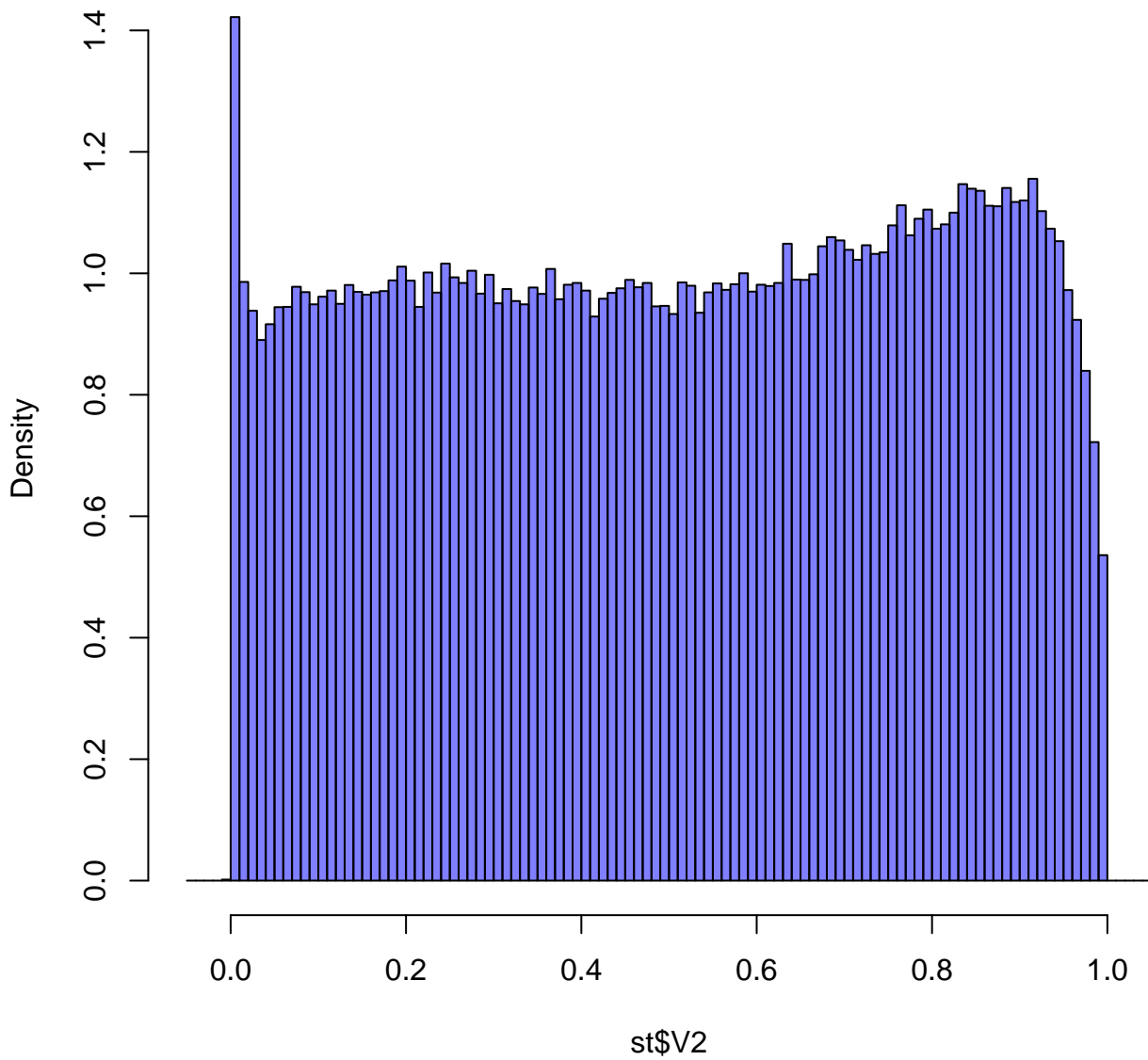
**R<GLU>A<CG>**



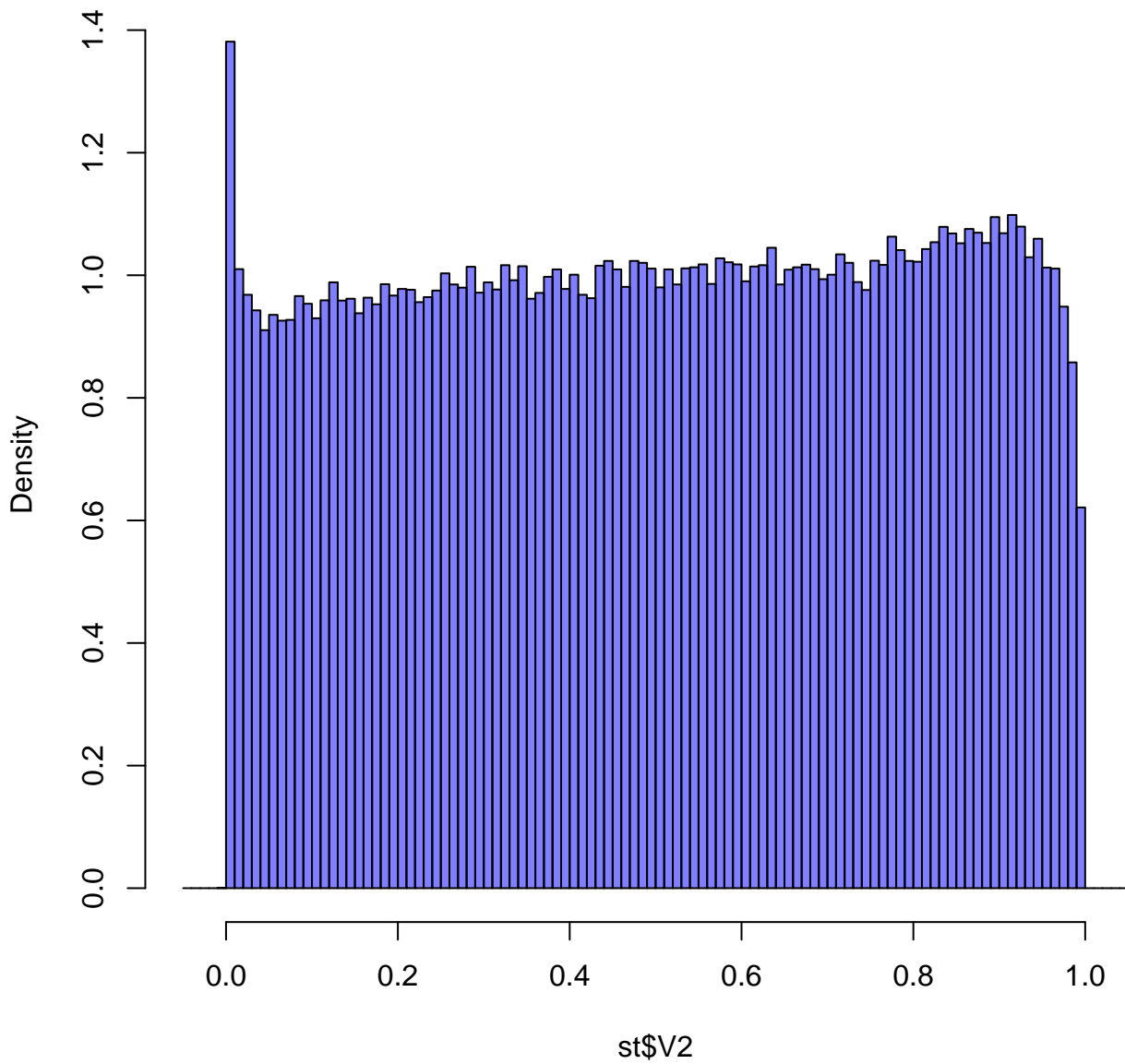
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**R<GLU>A<O>**

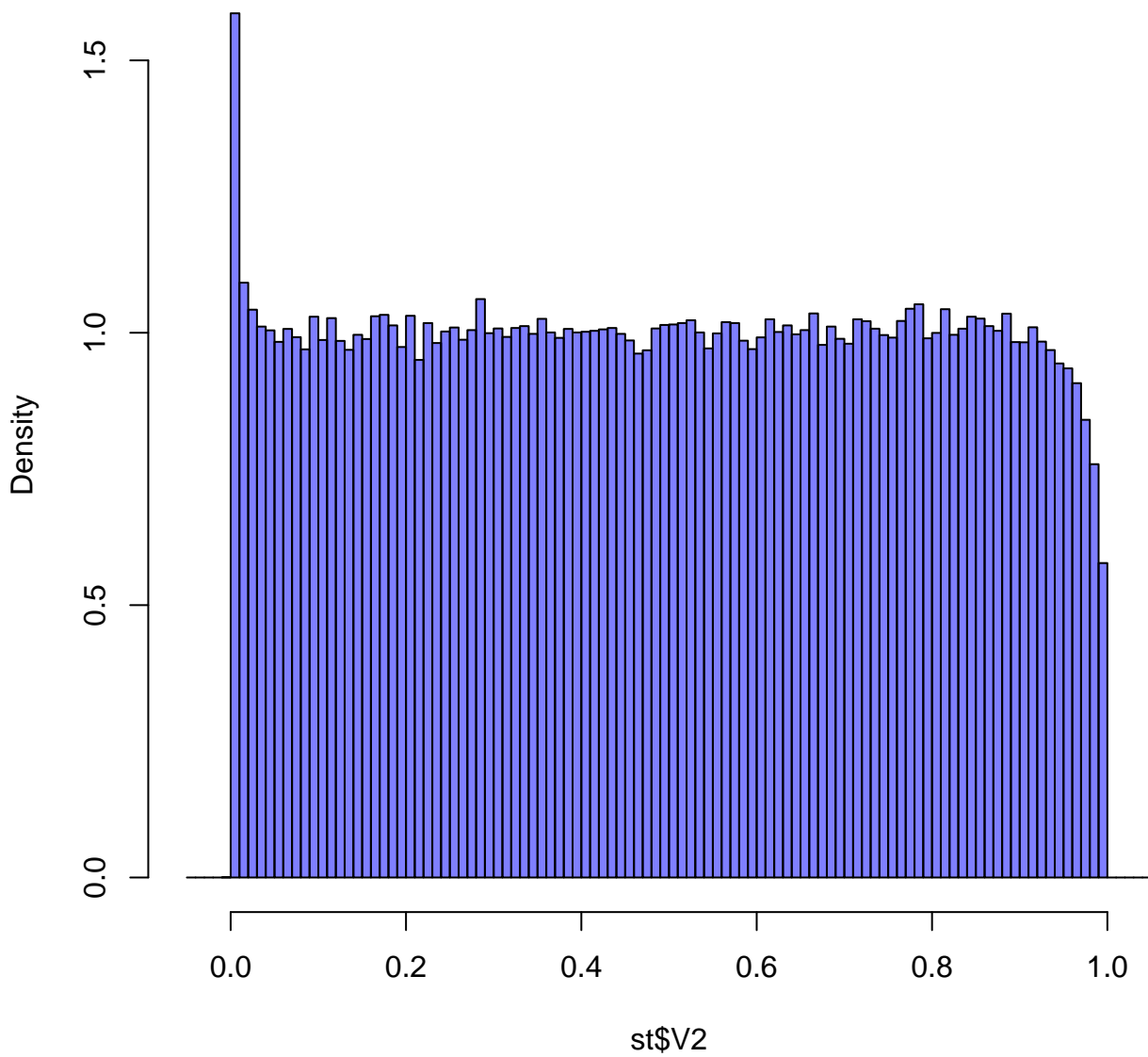


R<GLU>A<OE1>

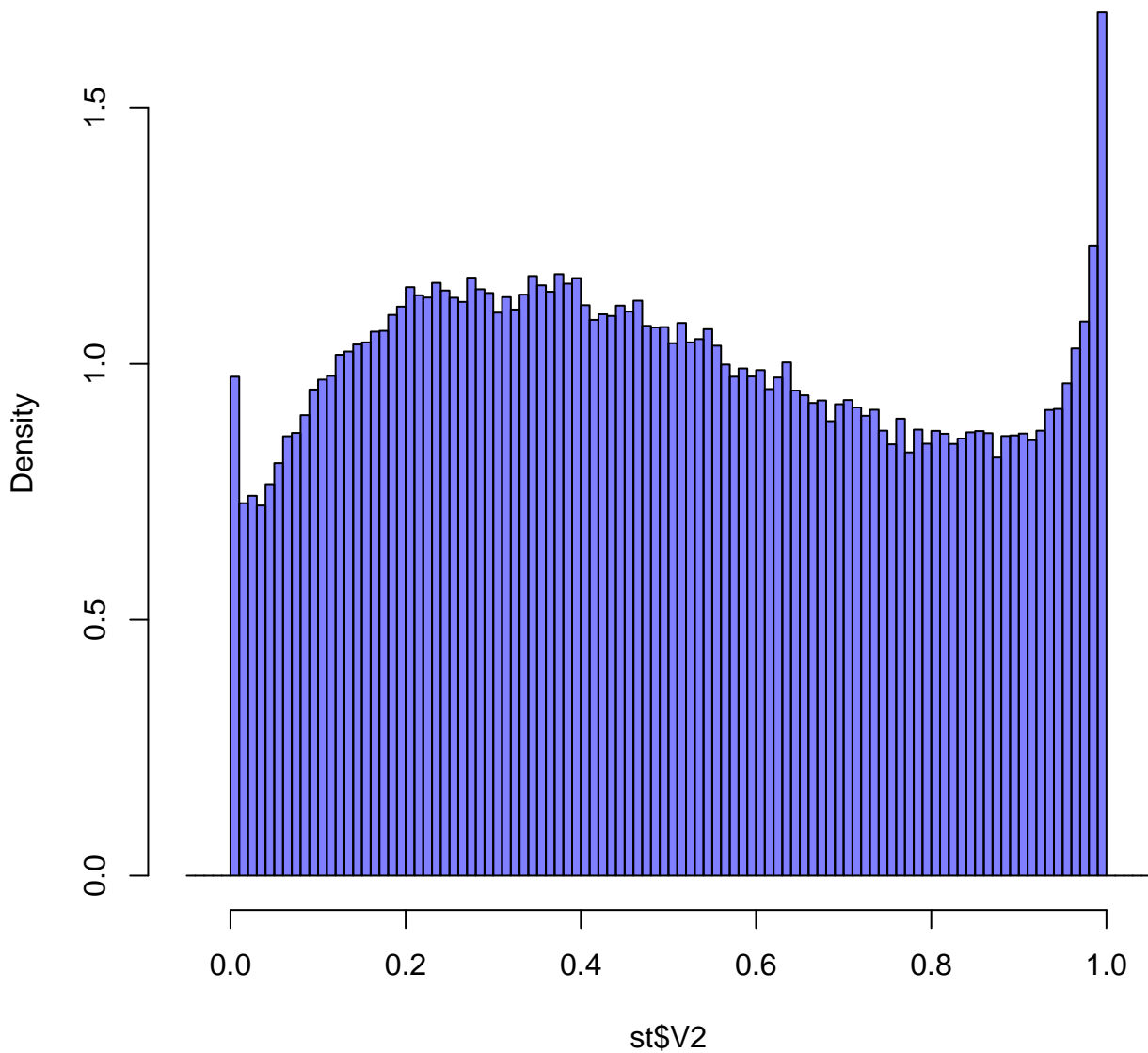




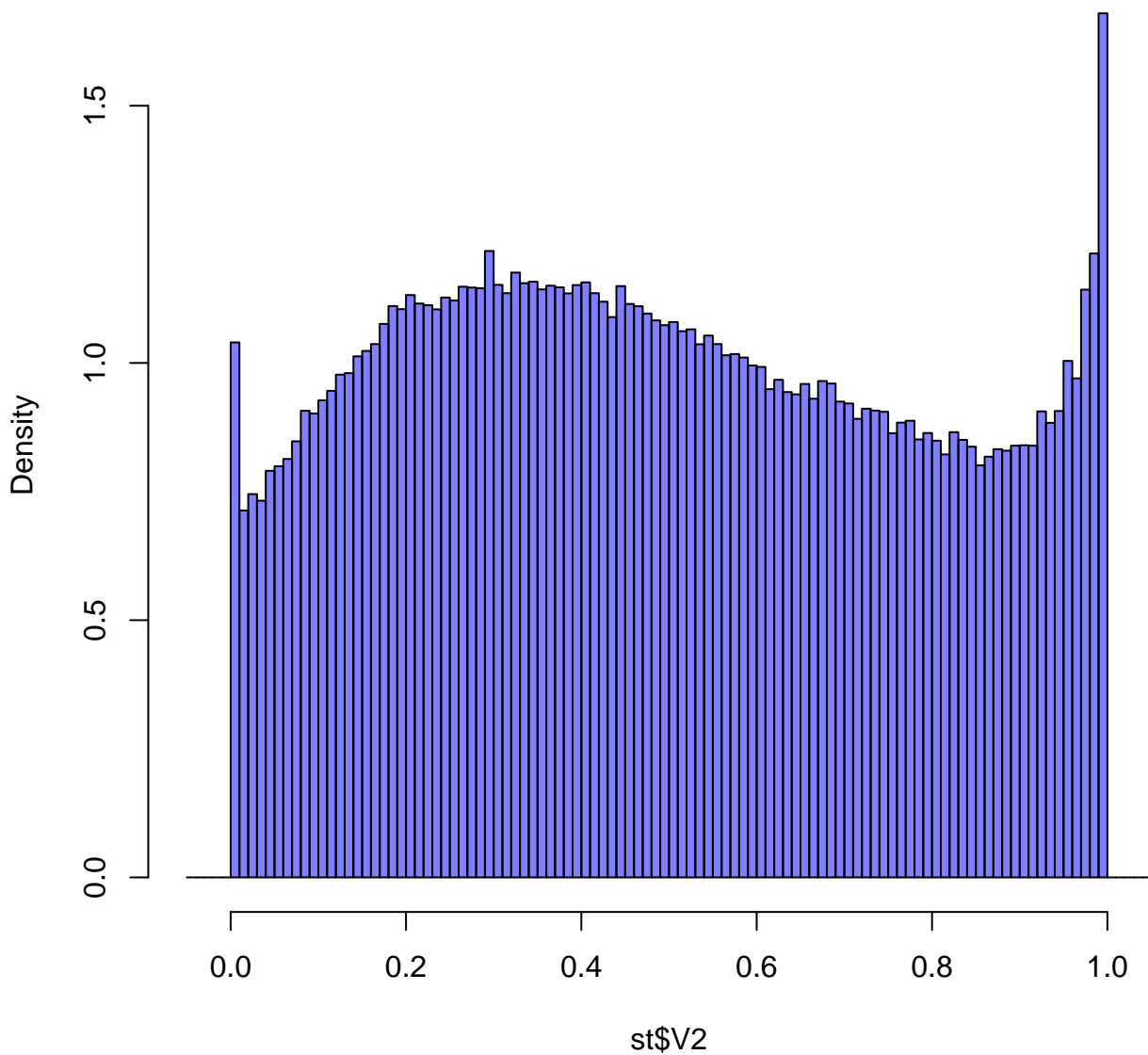
R<GLU>A<OE2>



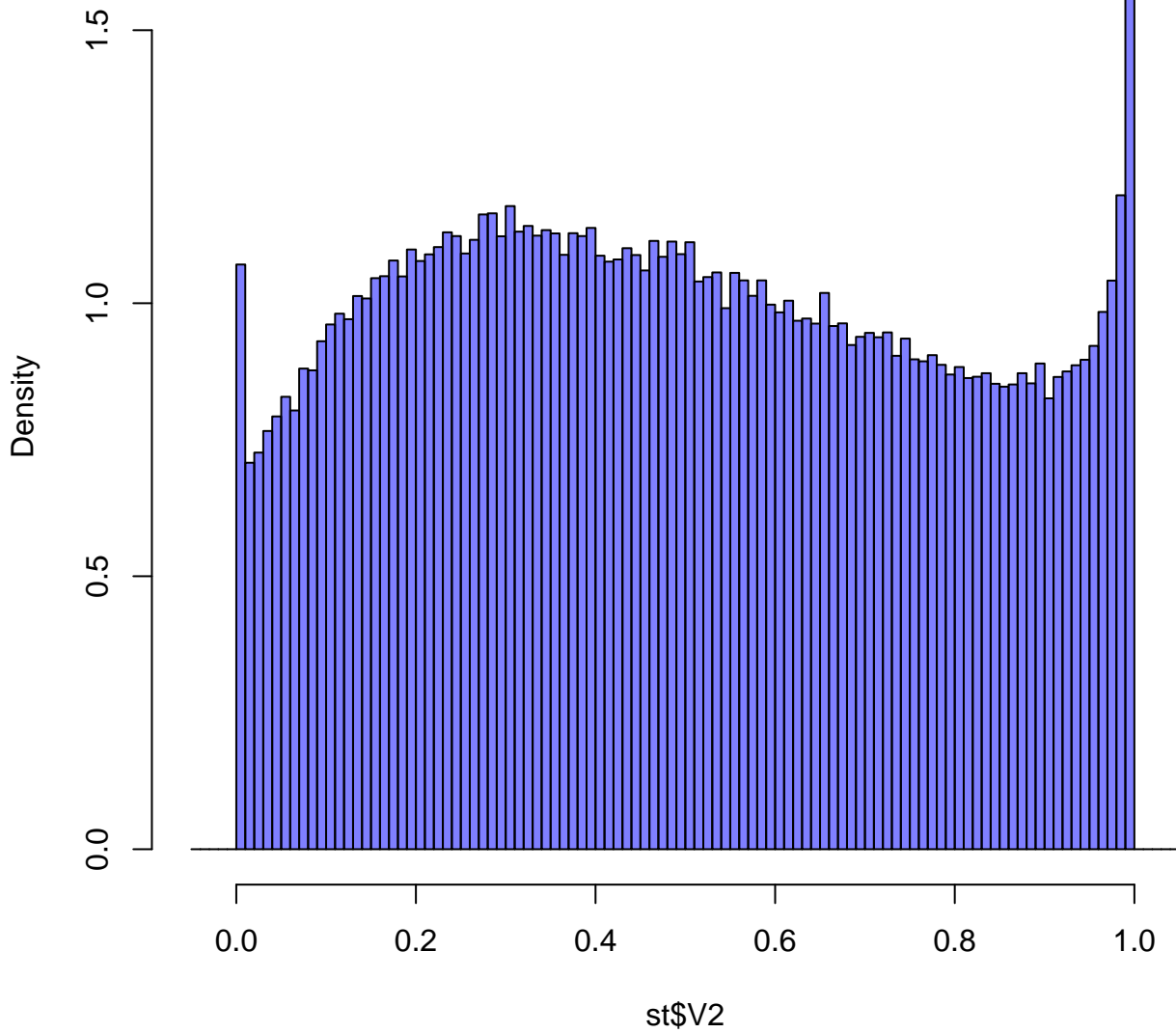
R<GLY>A<C>



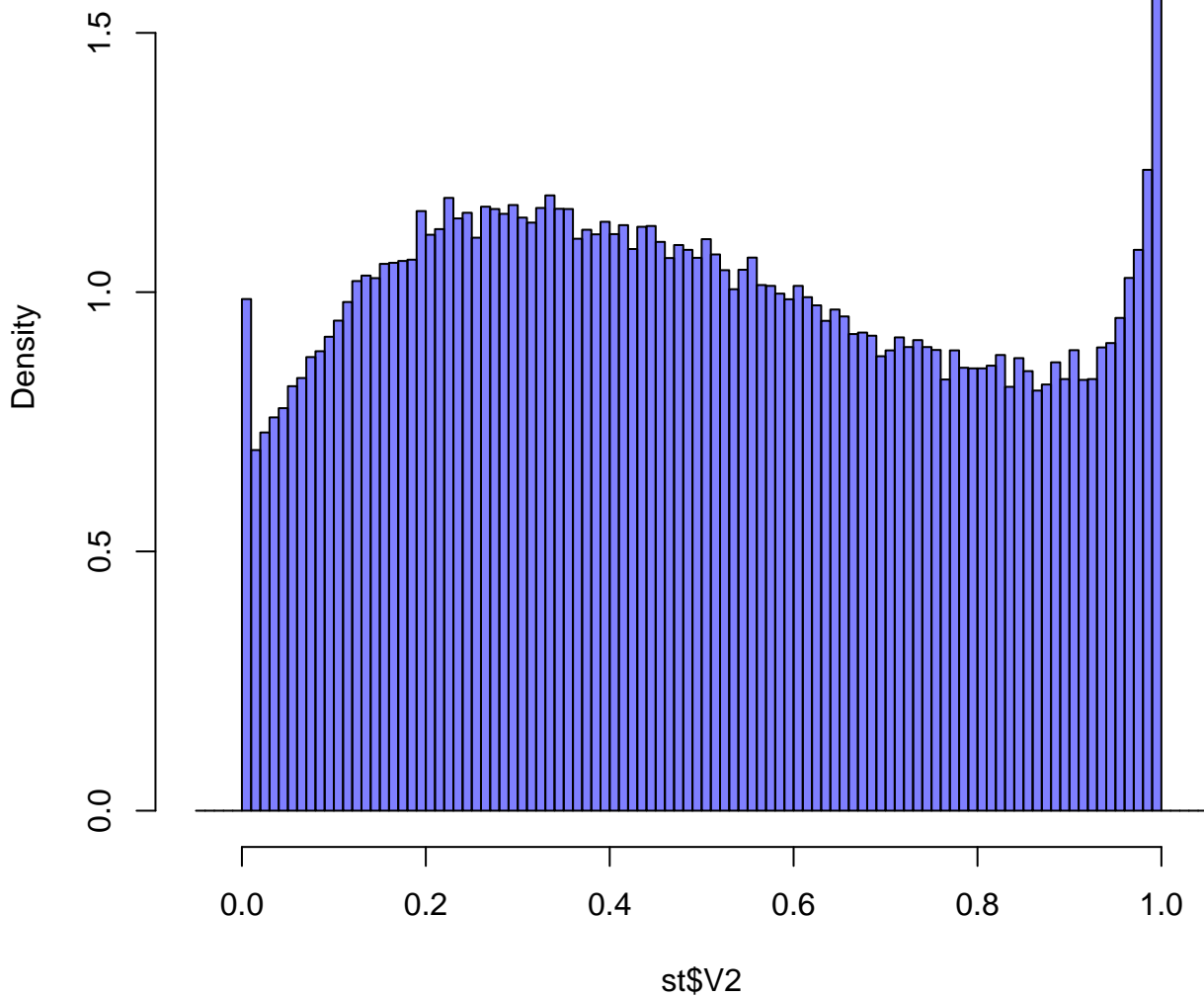
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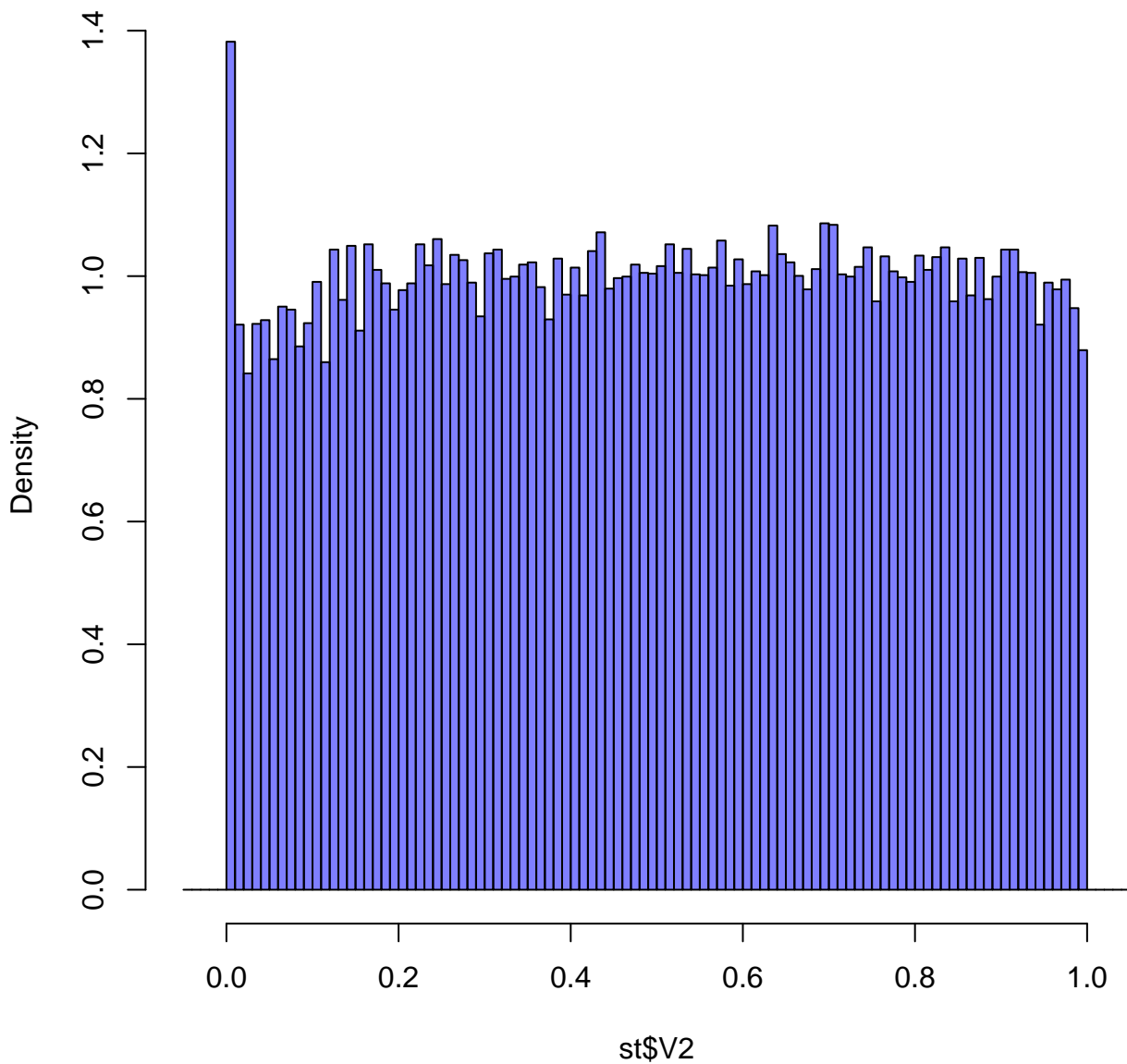
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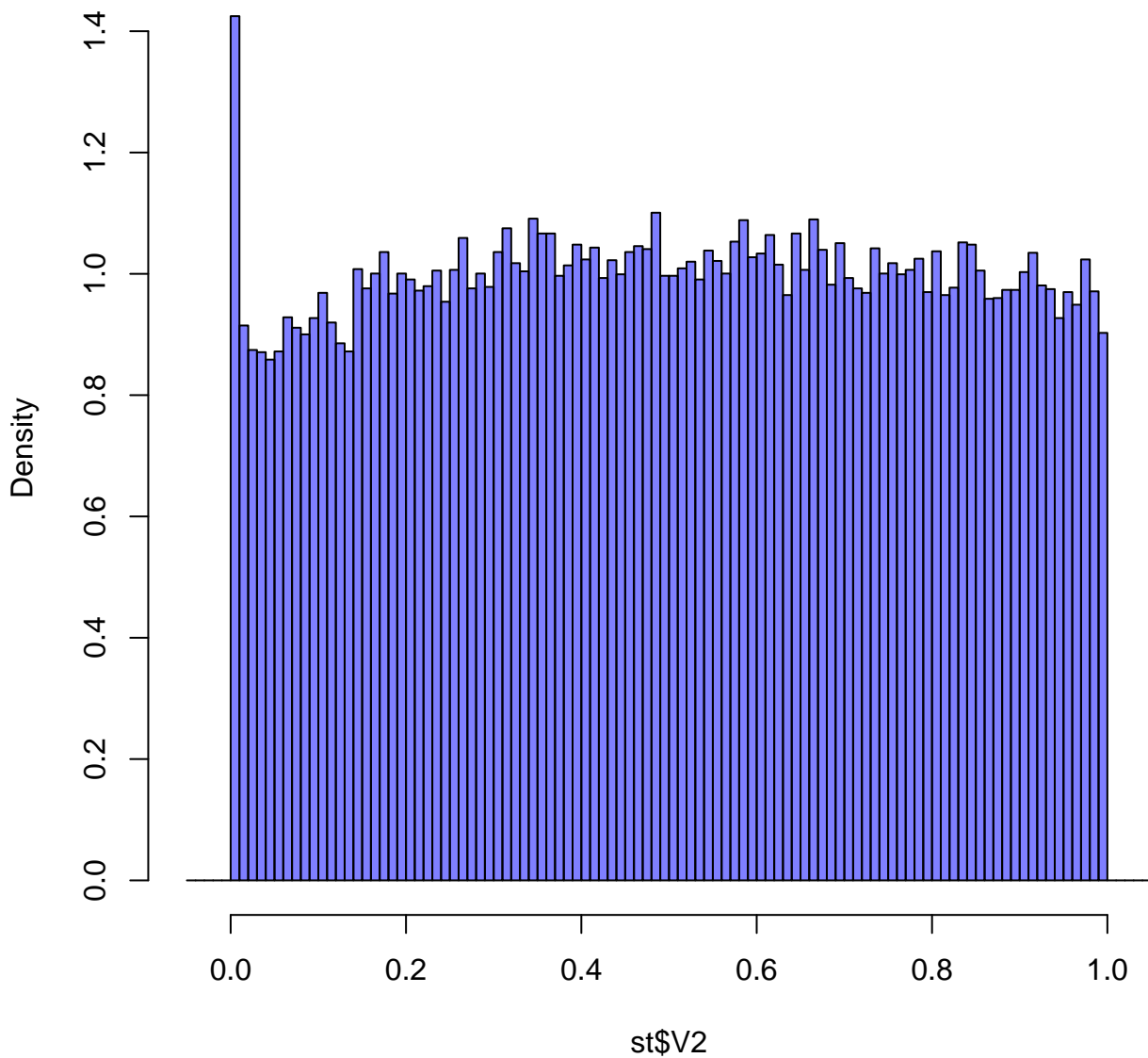
R<GLY>A<O>



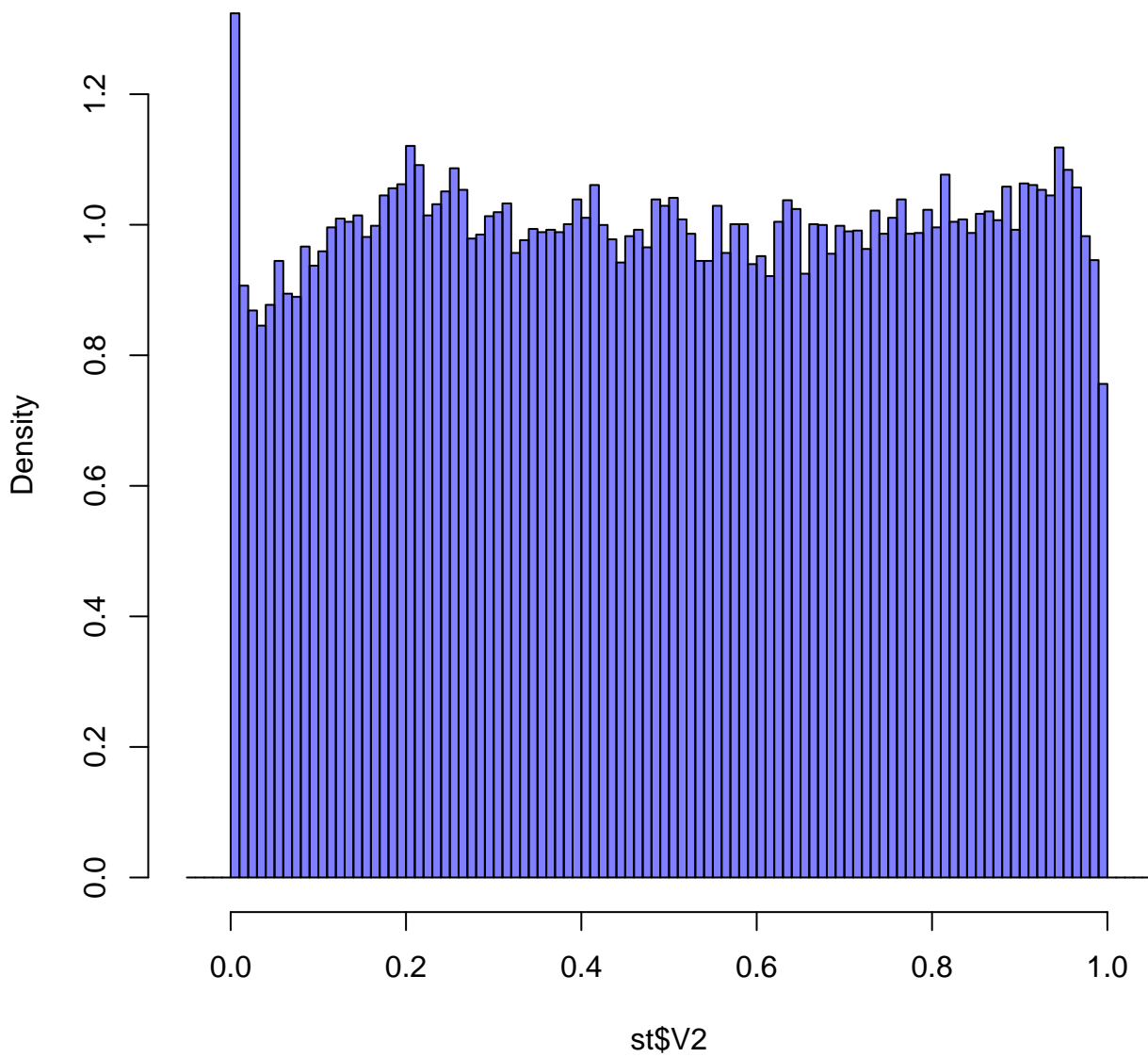
**R<HIS>A<C>**



R<HIS>A<CA>

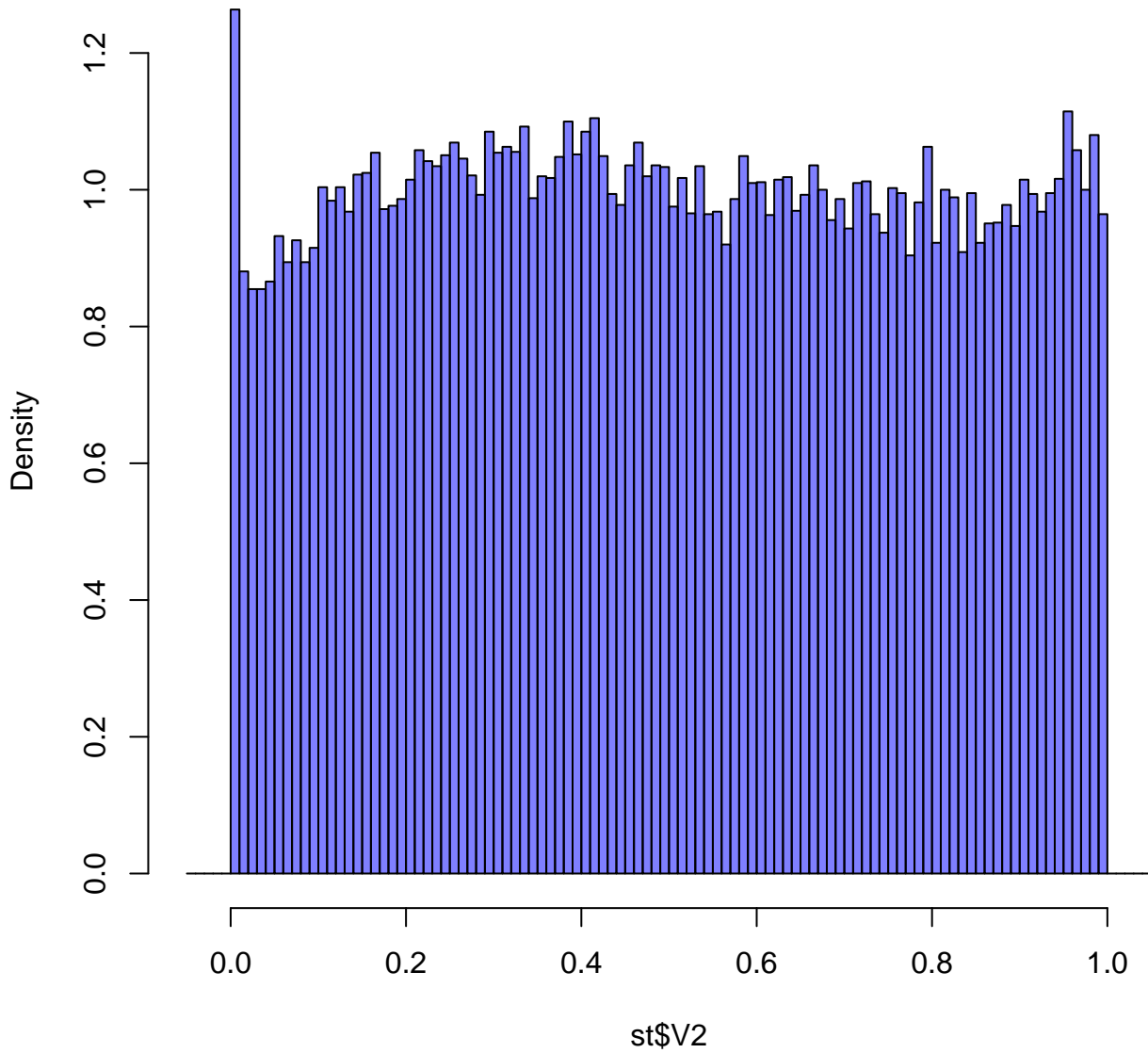


**R<HIS>A<CB>**

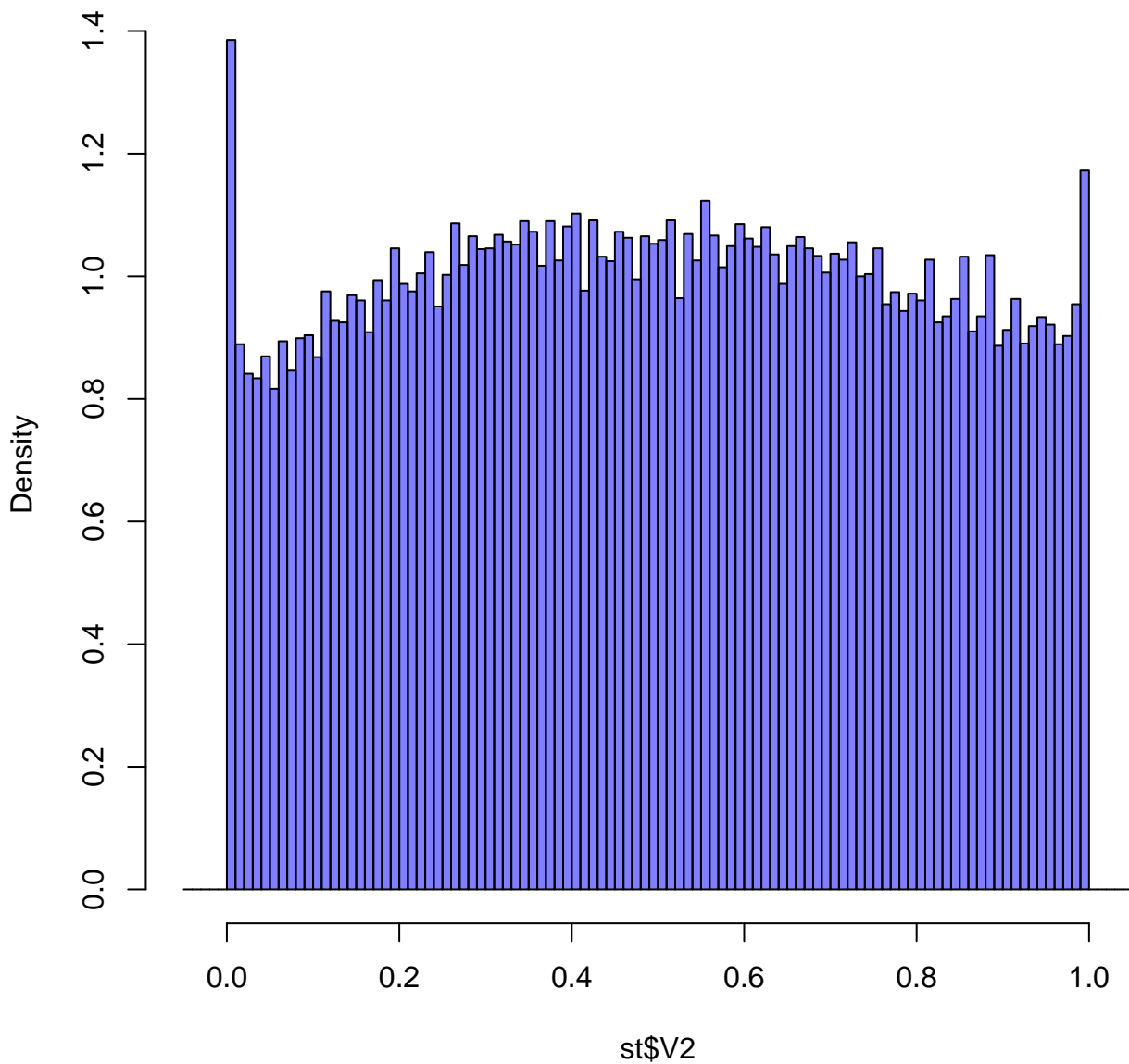




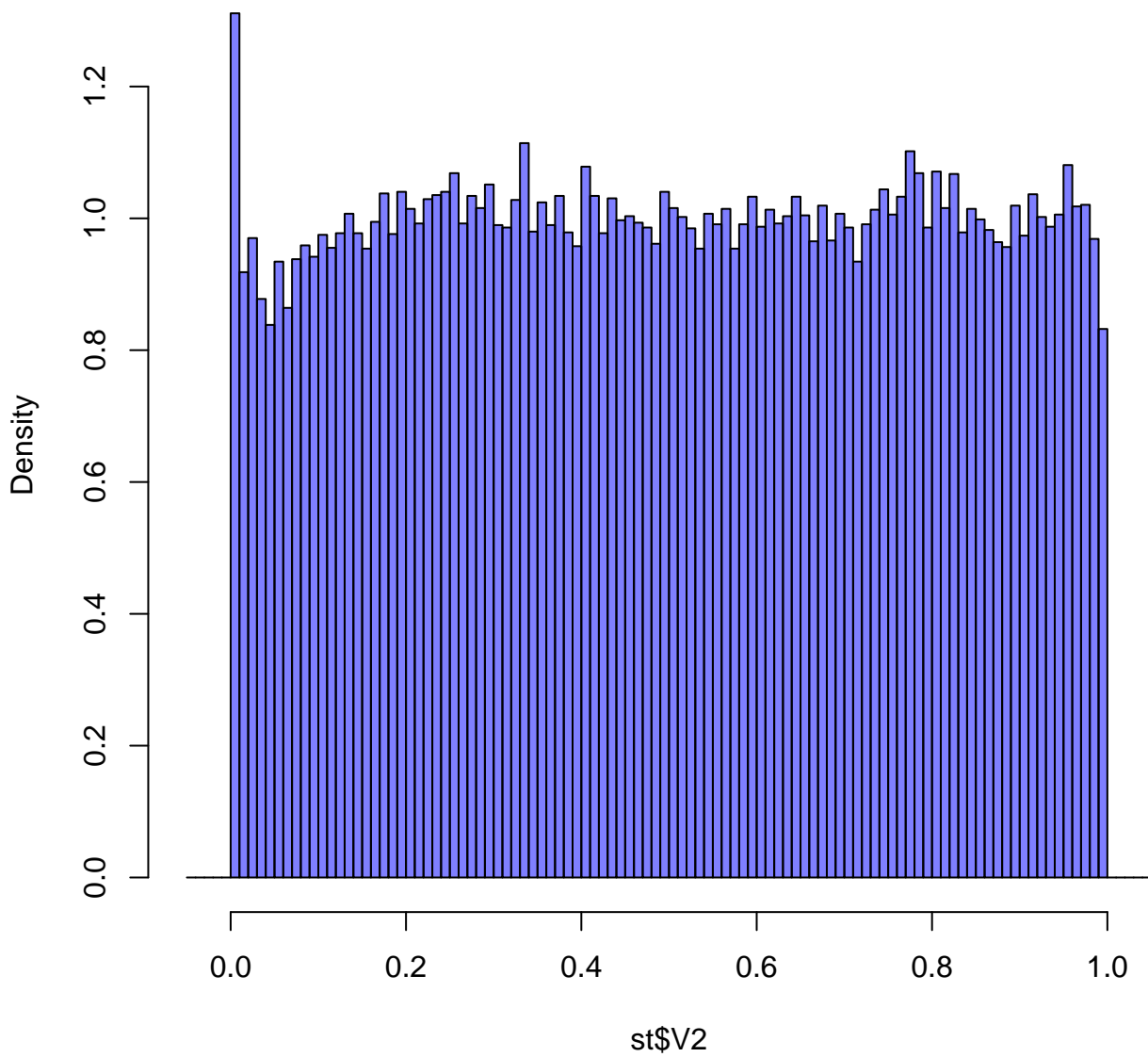
**R<HIS>A<CD2>**



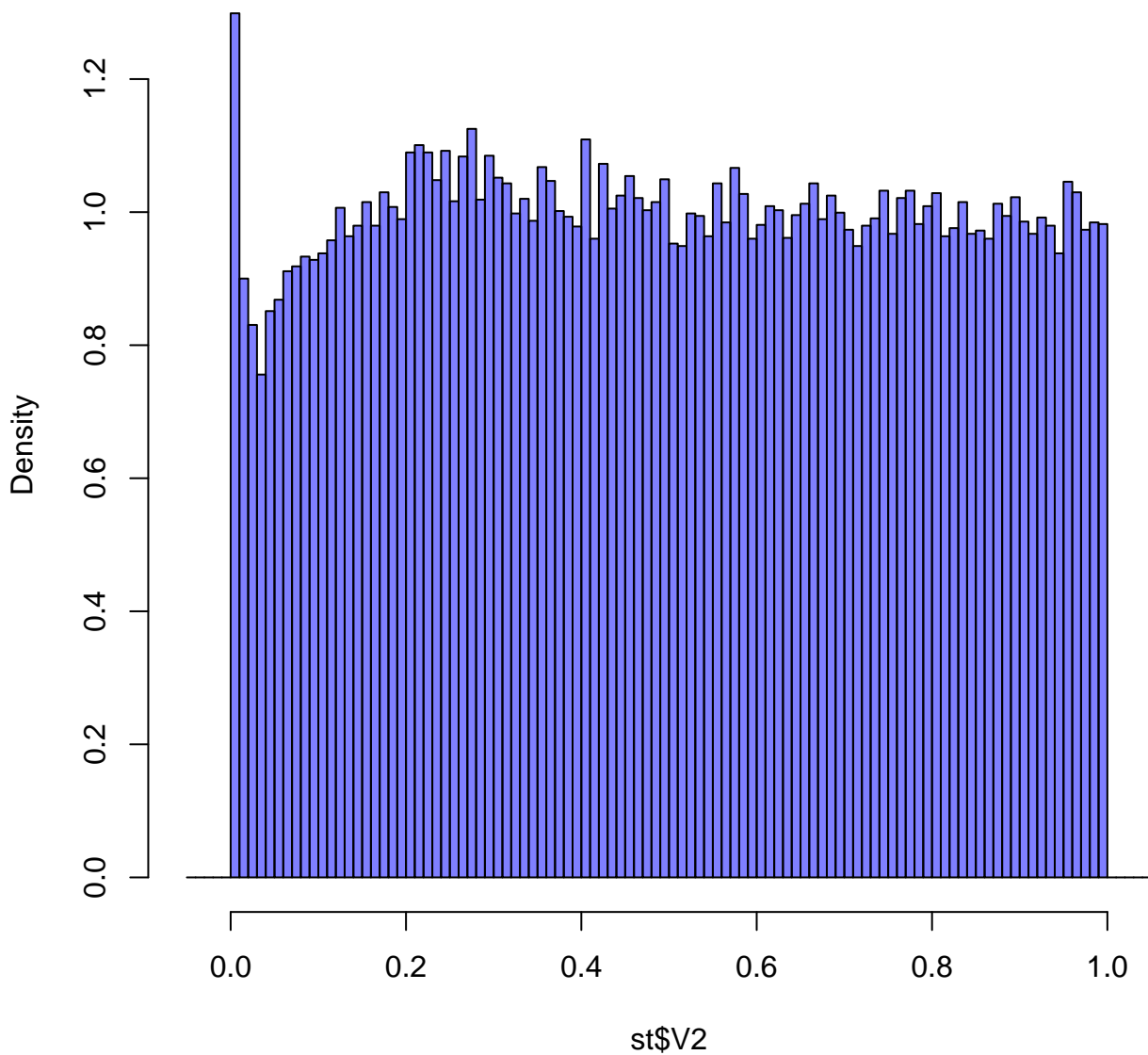
**R<HIS>A<CE1>**



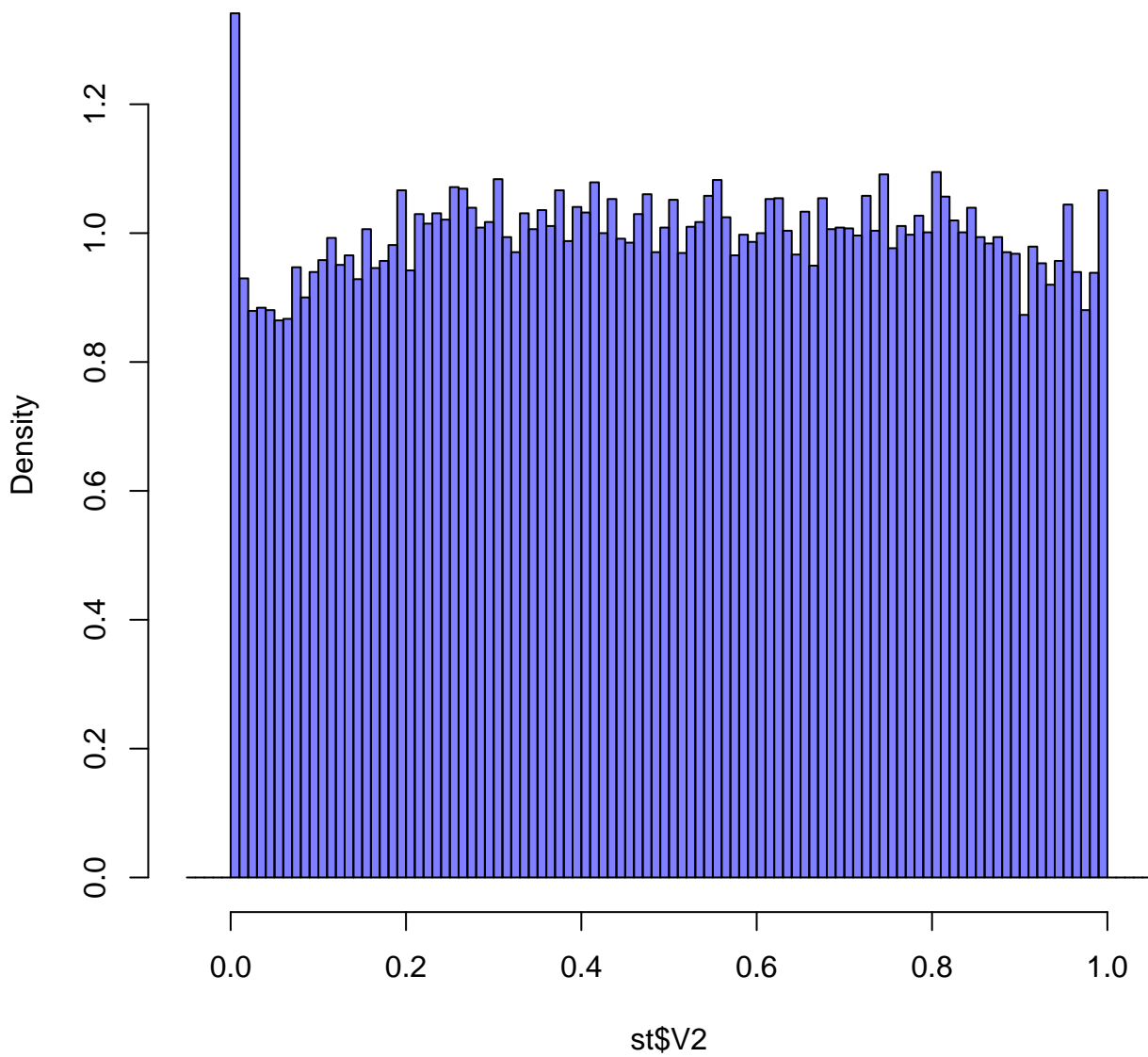
**R<HIS>A<CG>**



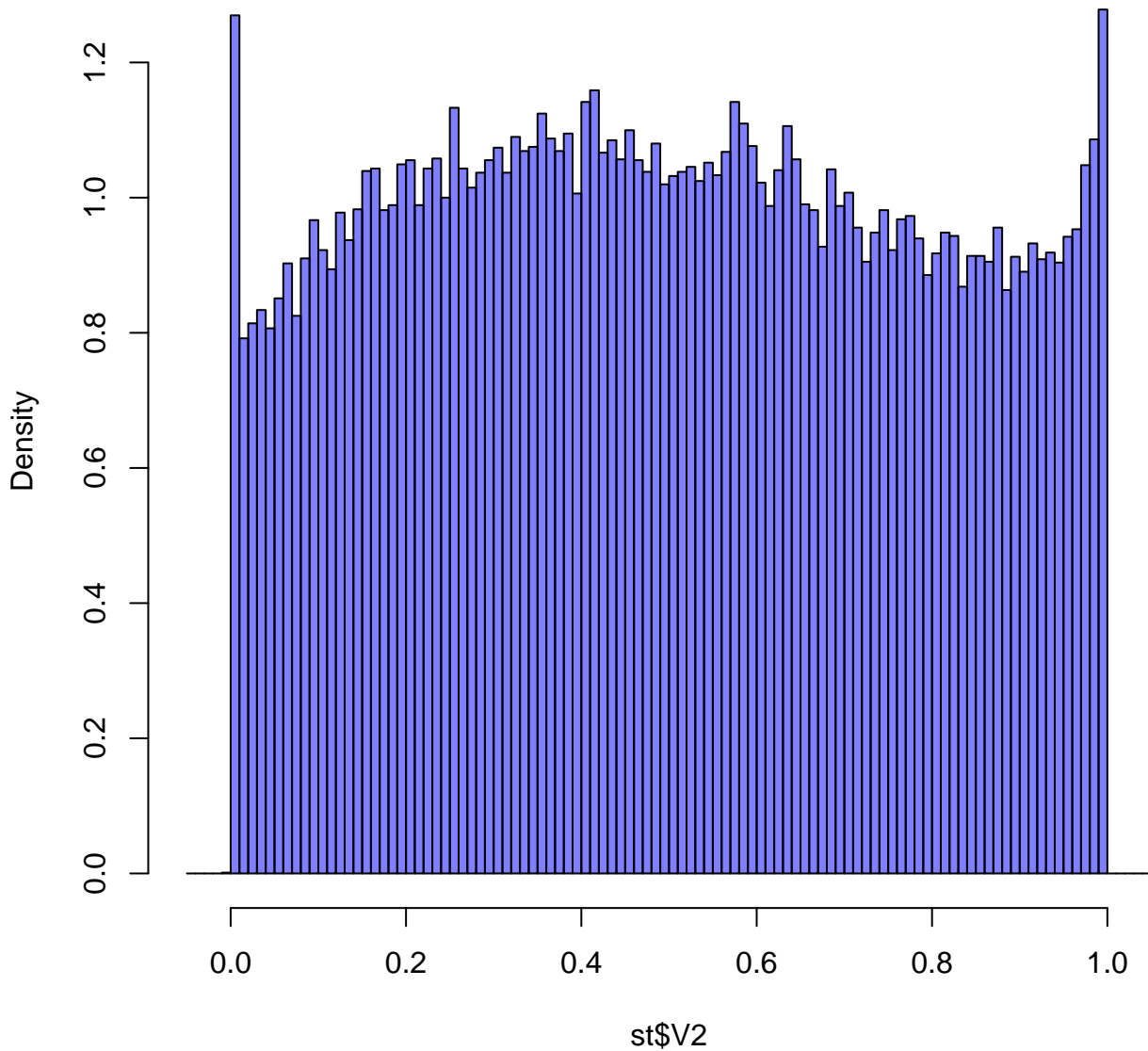
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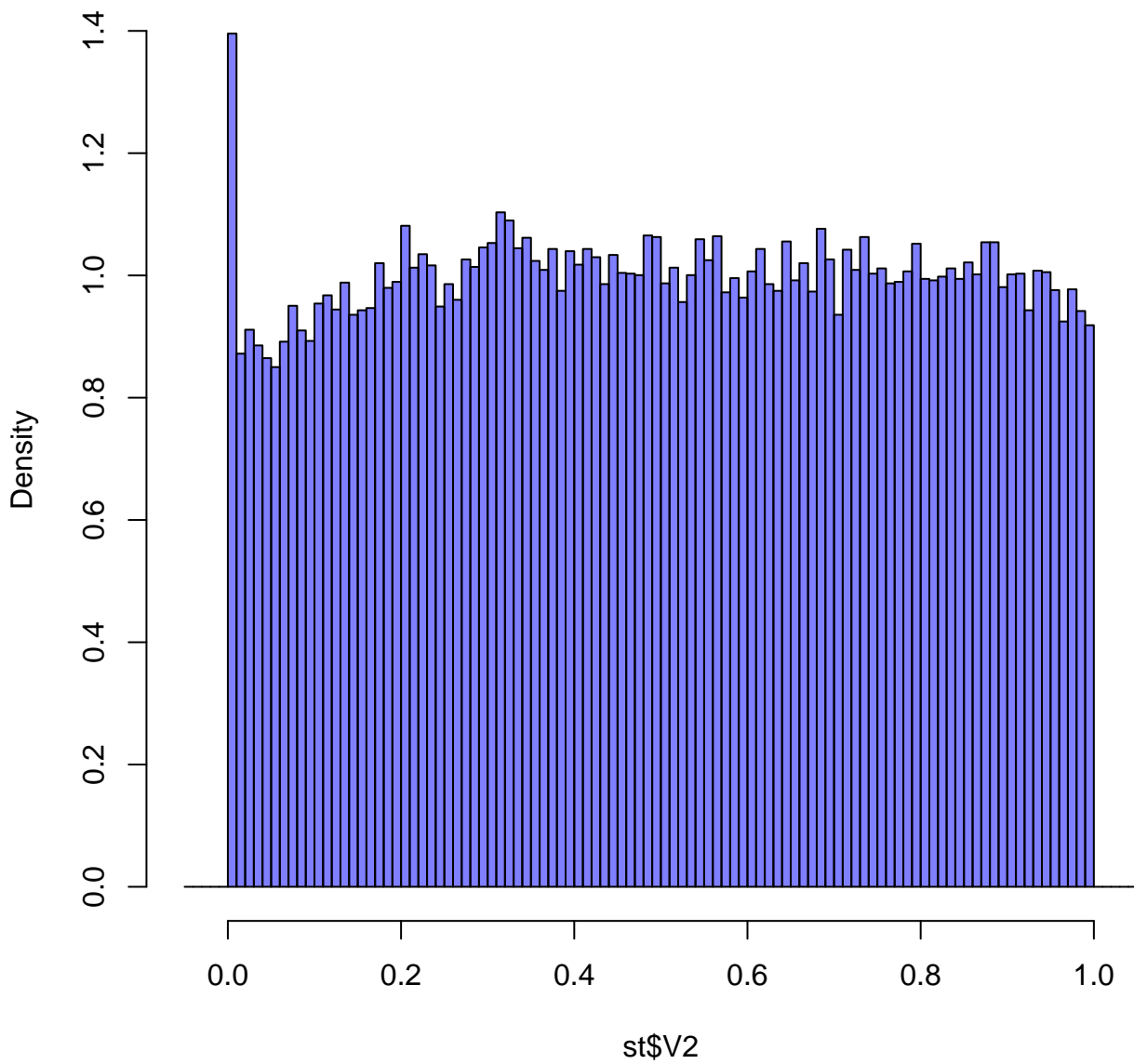
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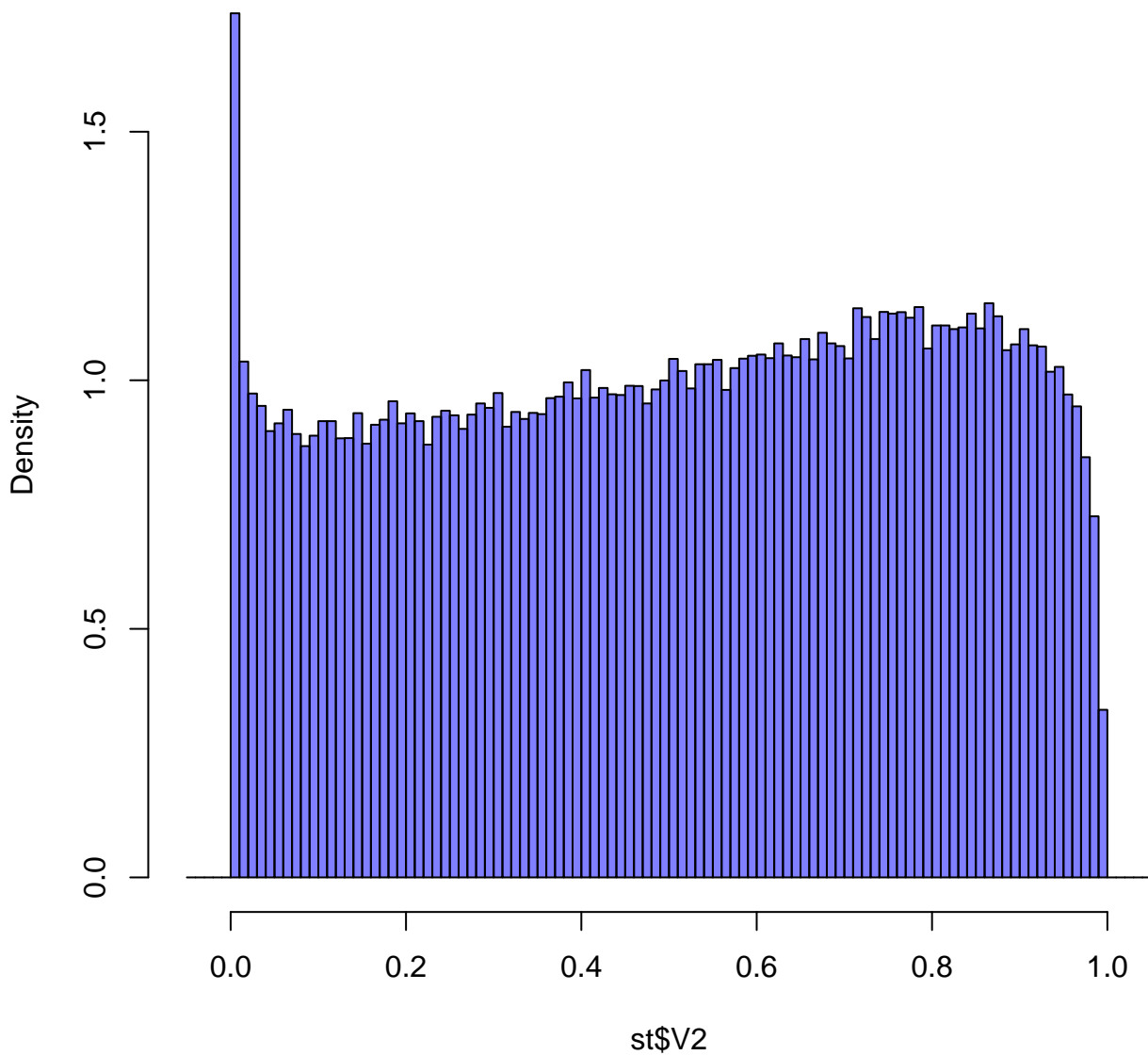
**R<HIS>A<NE2>**



**R<HIS>A<O>**

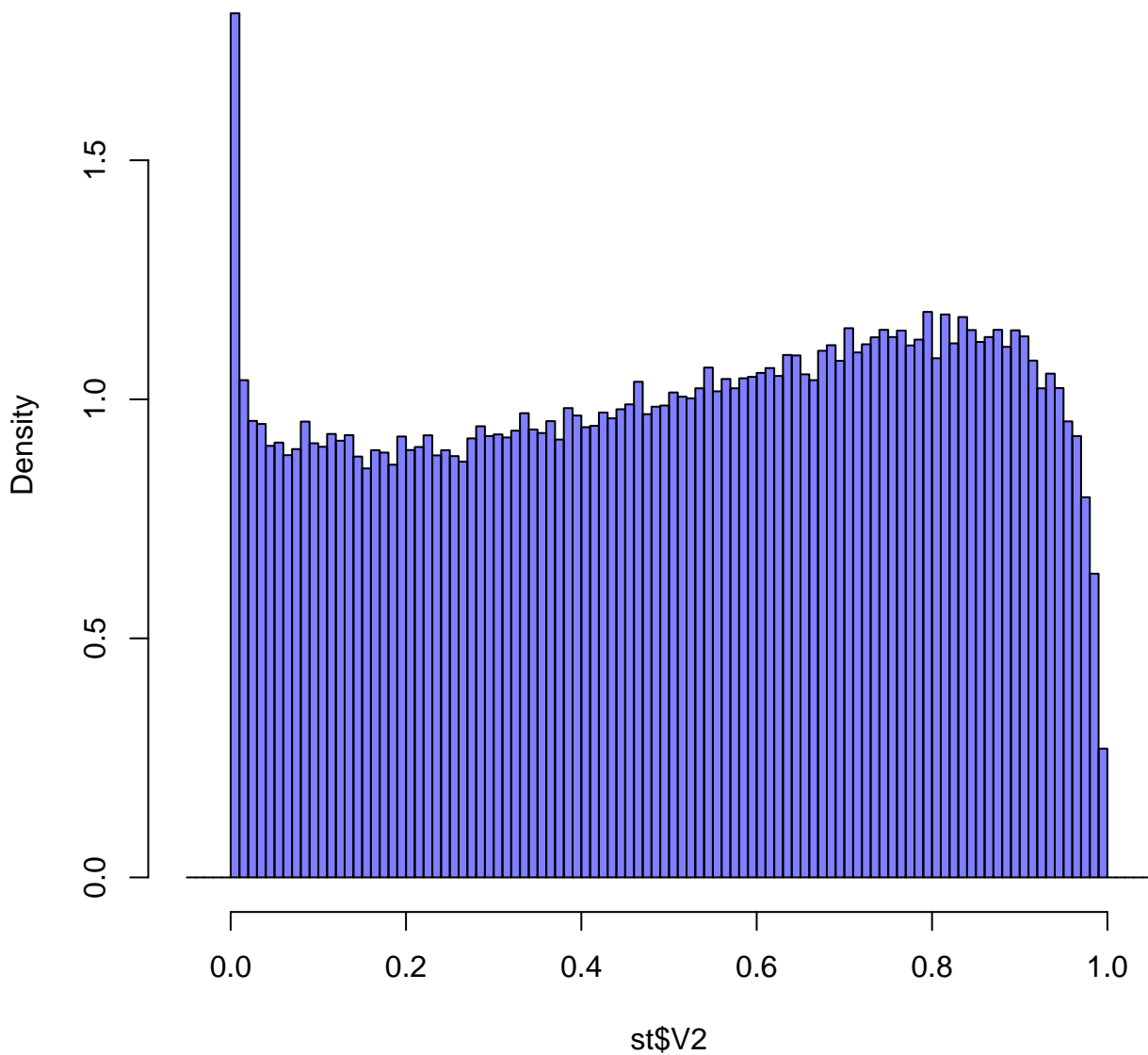


$R_{\langle \text{ILE} \rangle A_{\langle \text{C} \rangle}}$

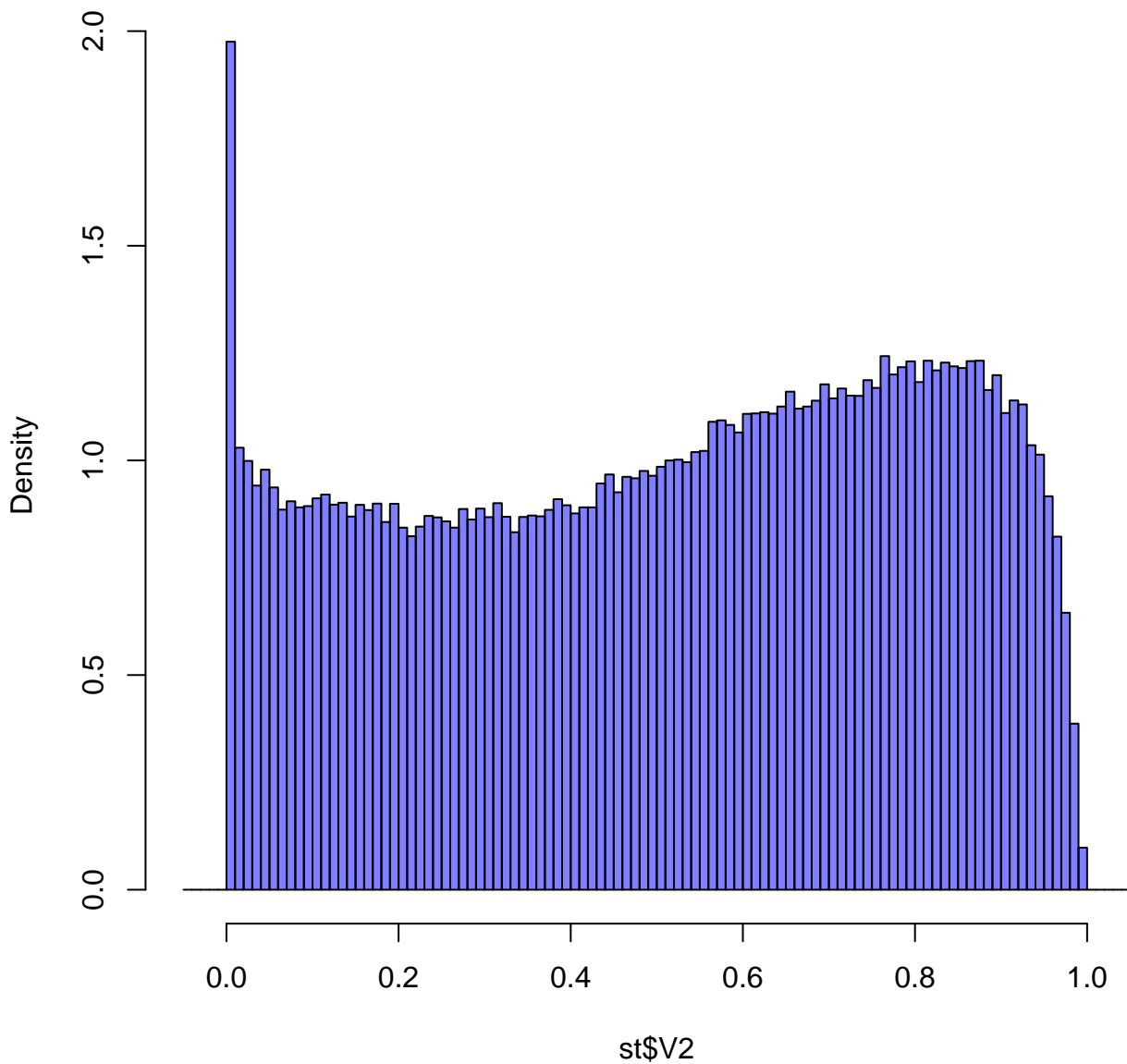




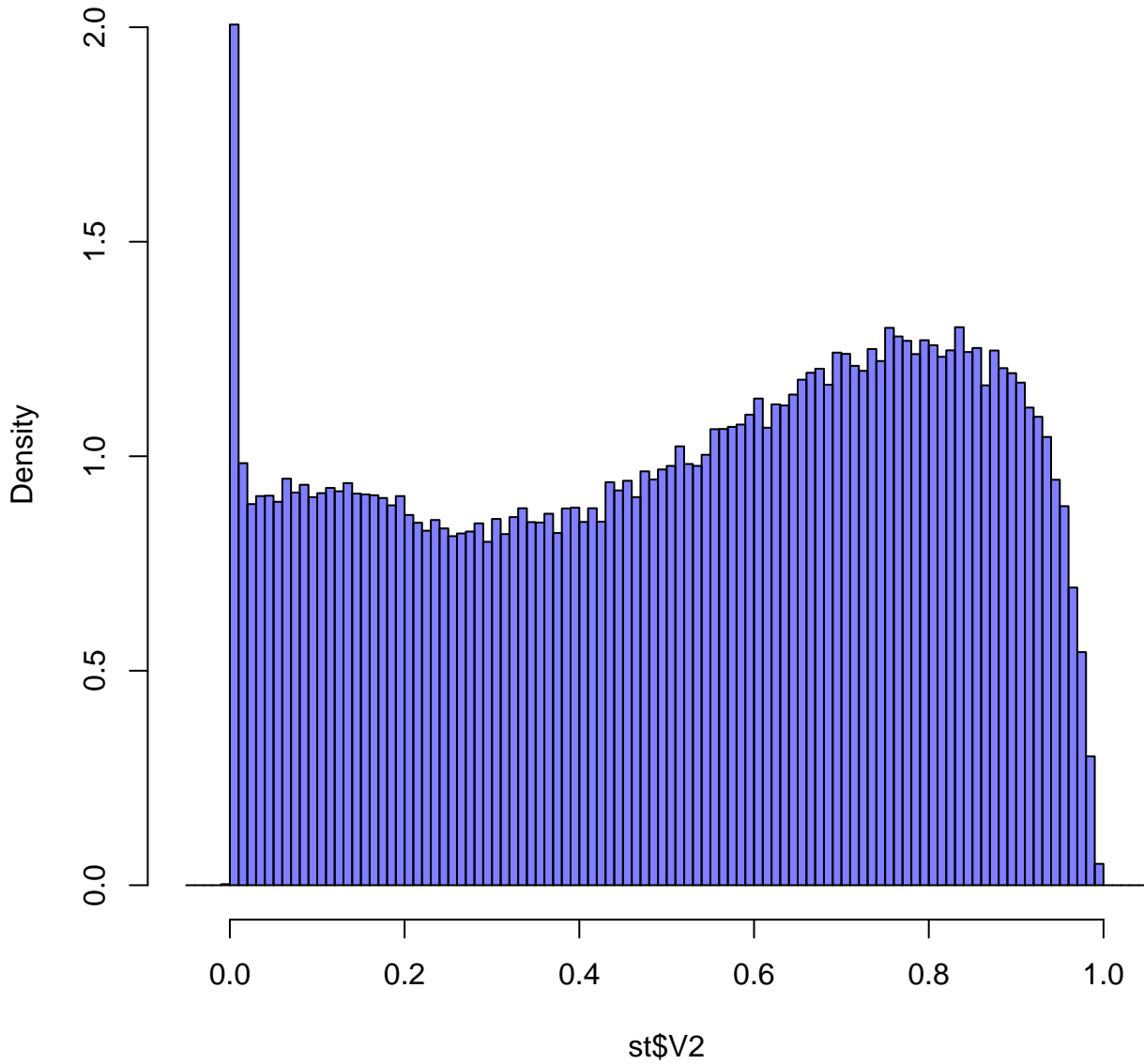
R<ILE>A<CA>



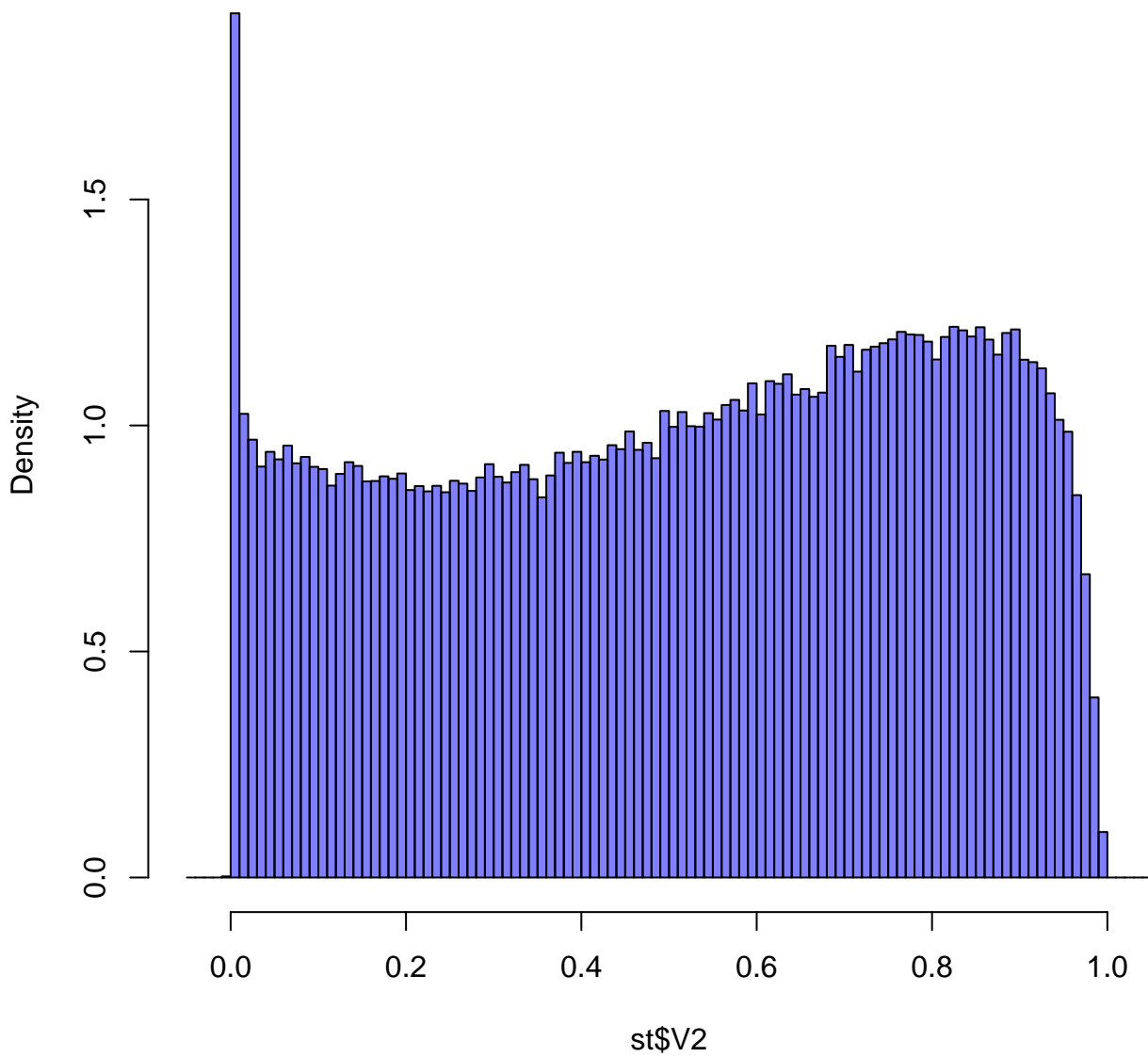
**R<ILE>A<CB>**



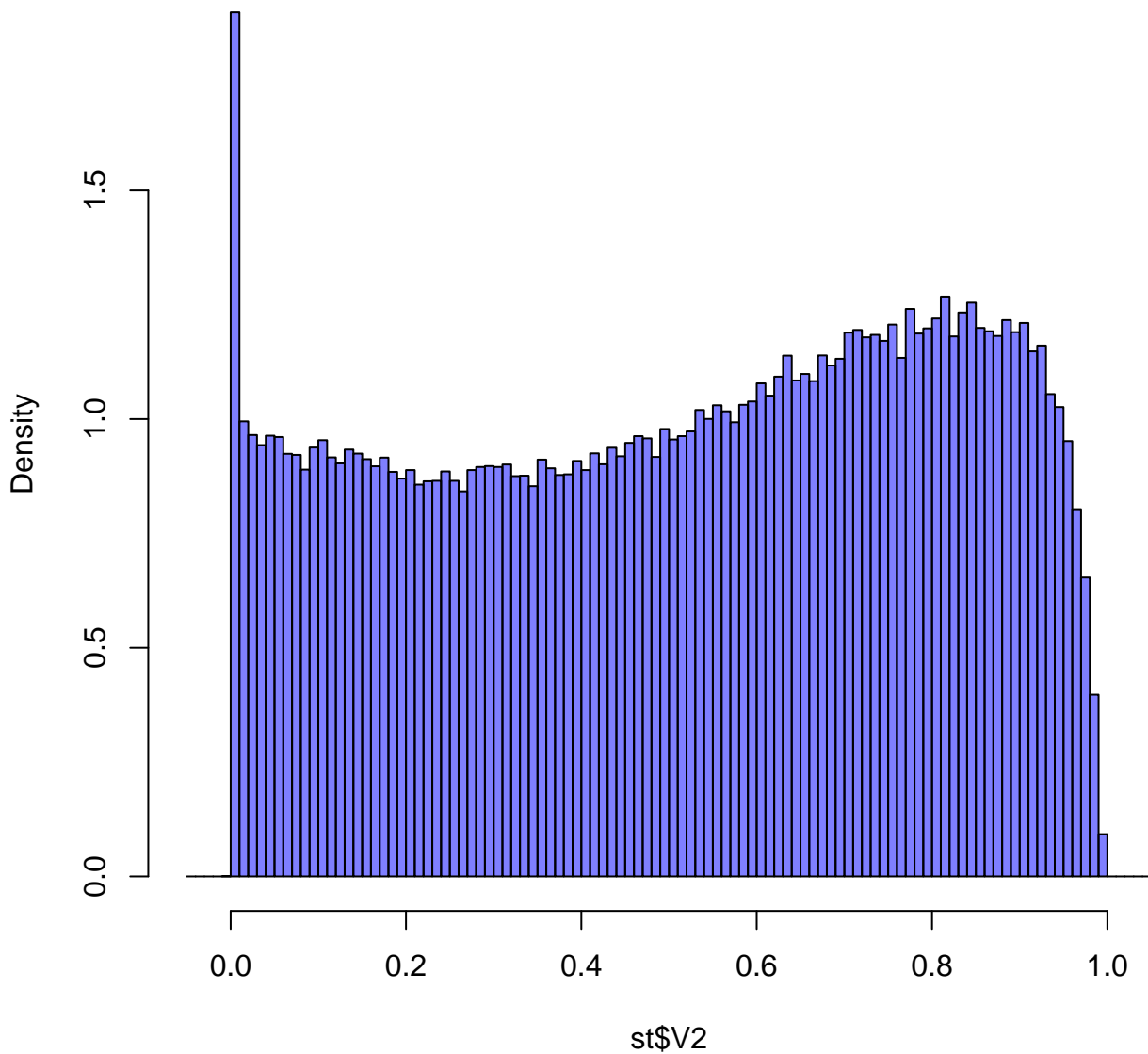
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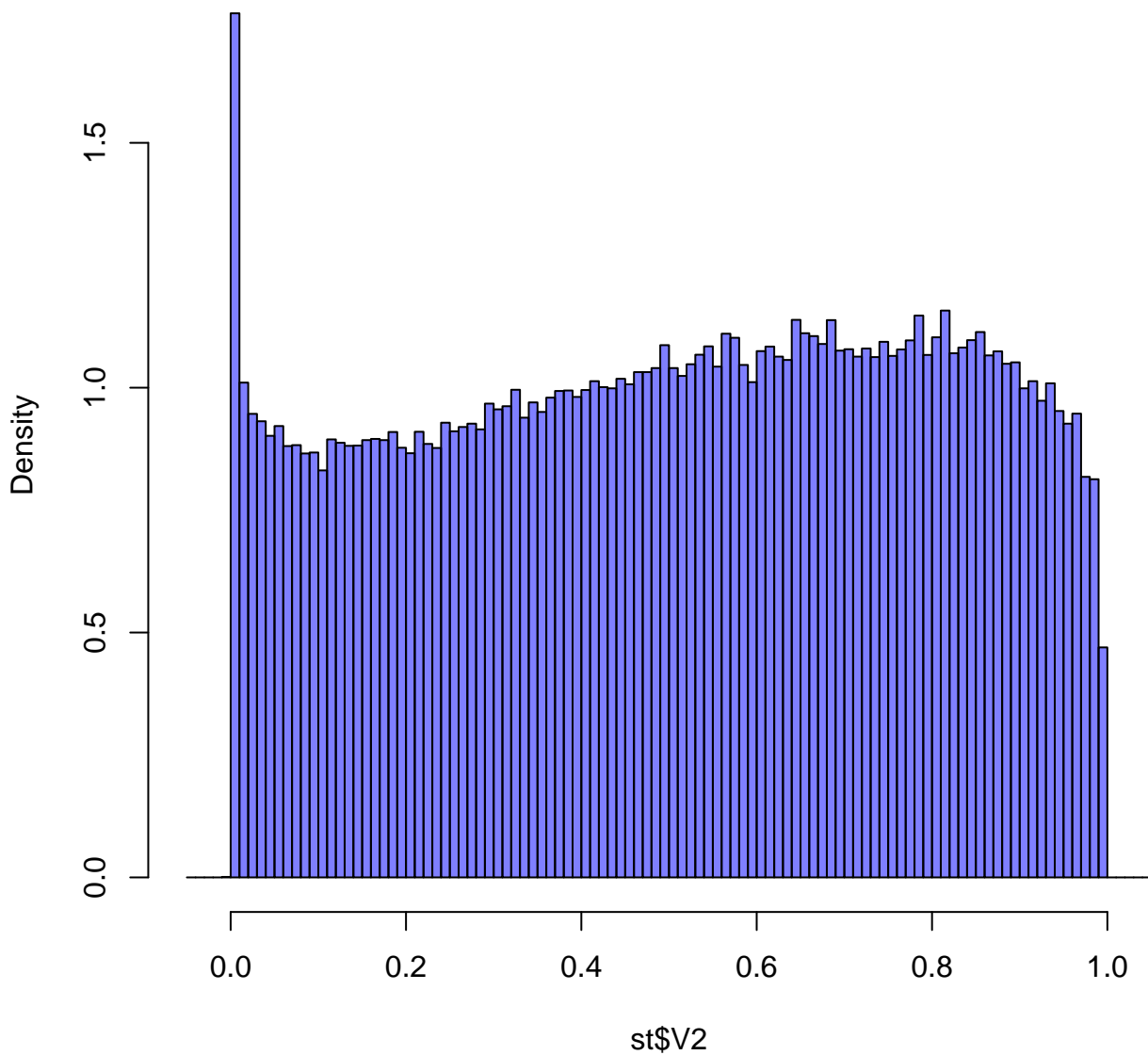
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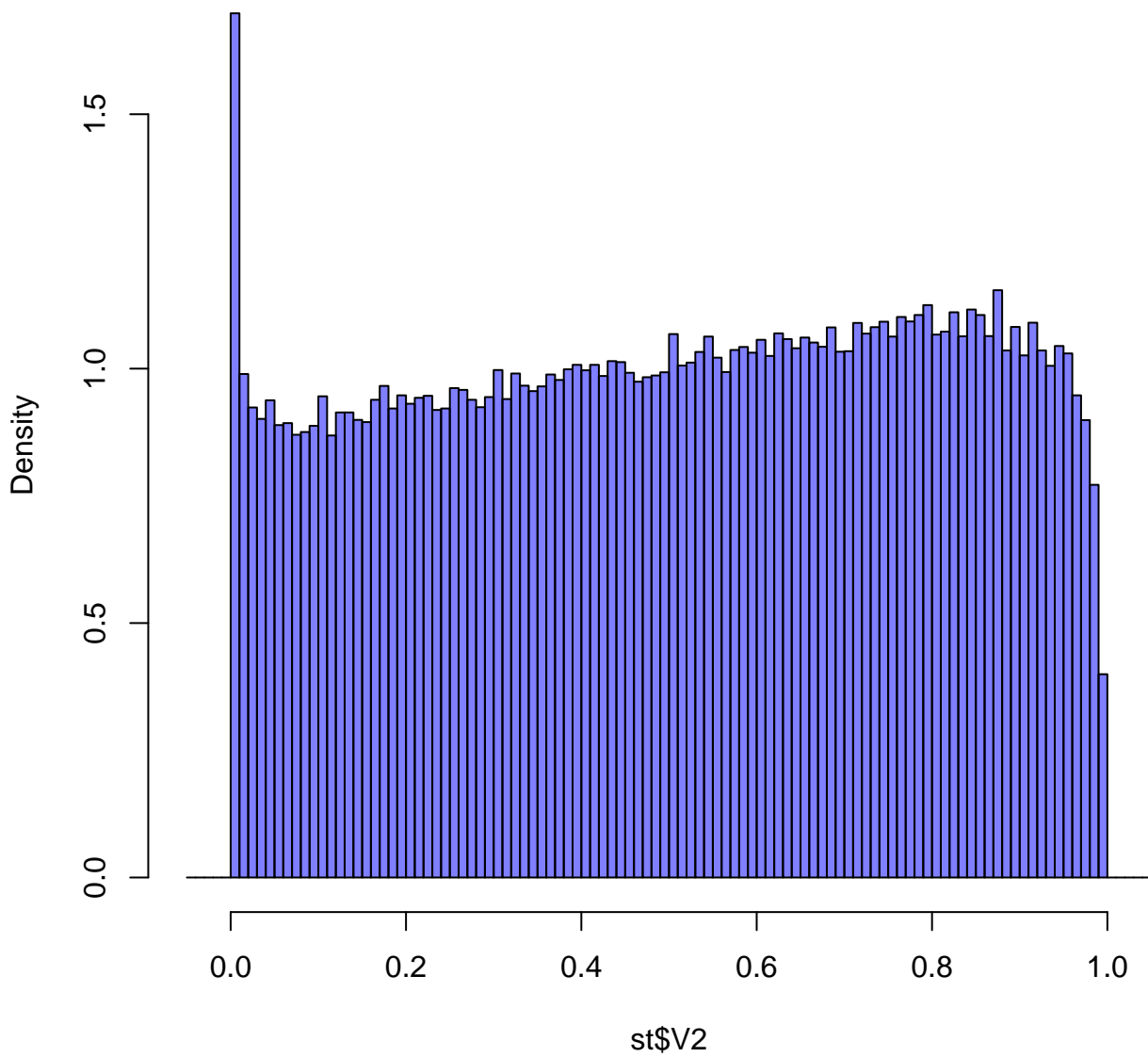
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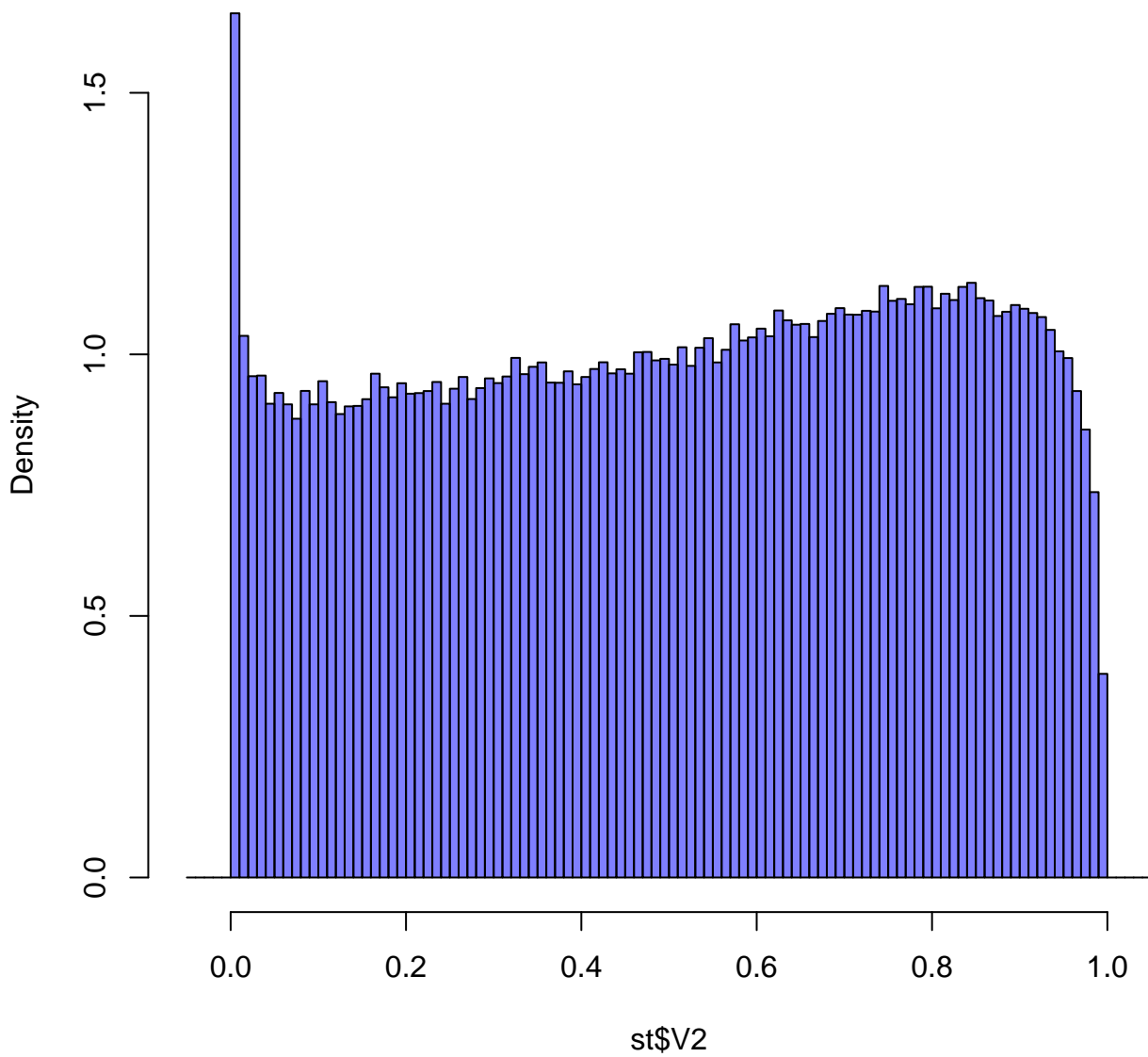
$R_{\langle \text{ILE} \rangle A_{\langle N \rangle}}$



$R_{\langle \text{ILE} \rangle A_{\langle \text{O} \rangle}}$

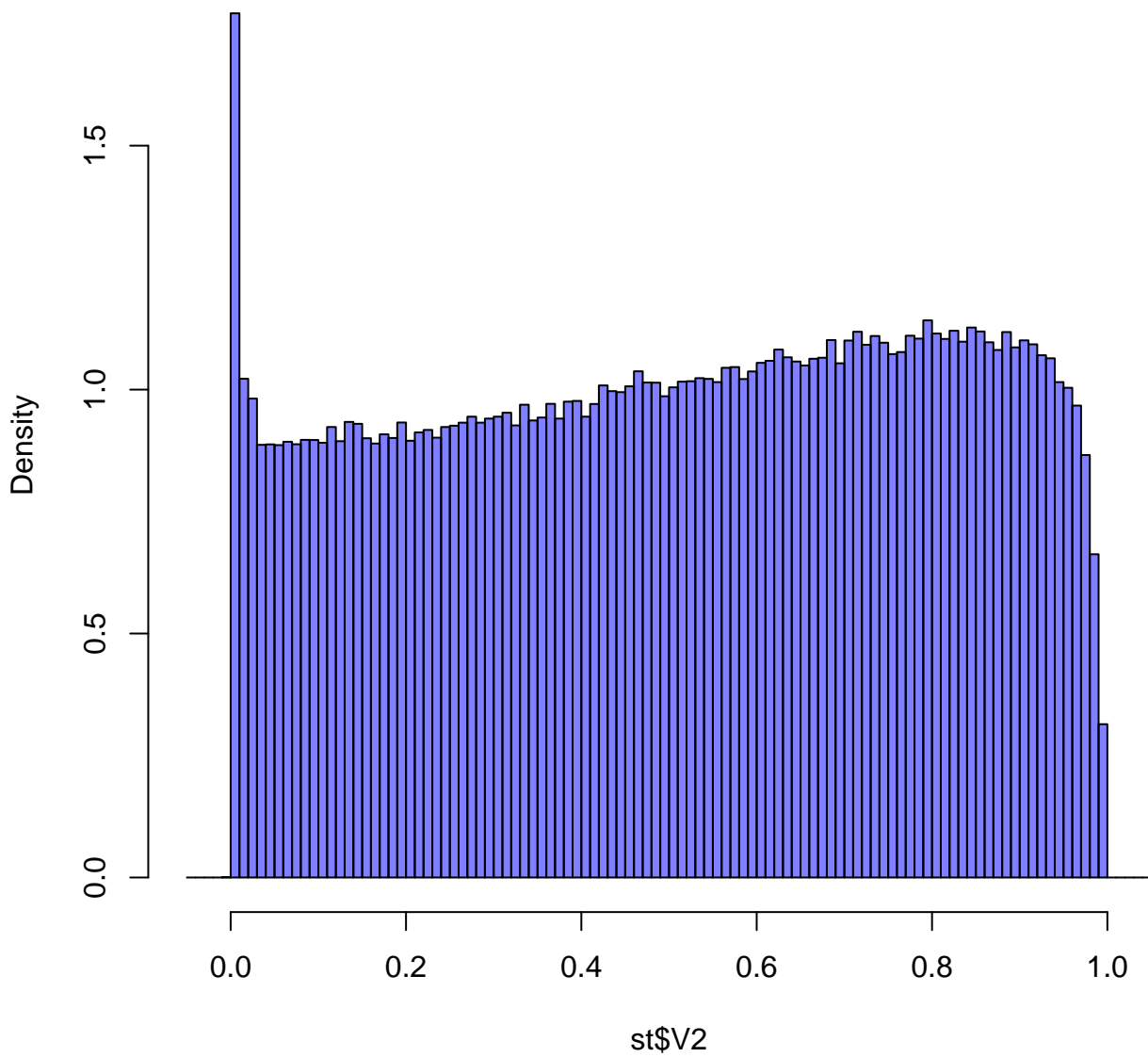


**R<LEU>A<C>**

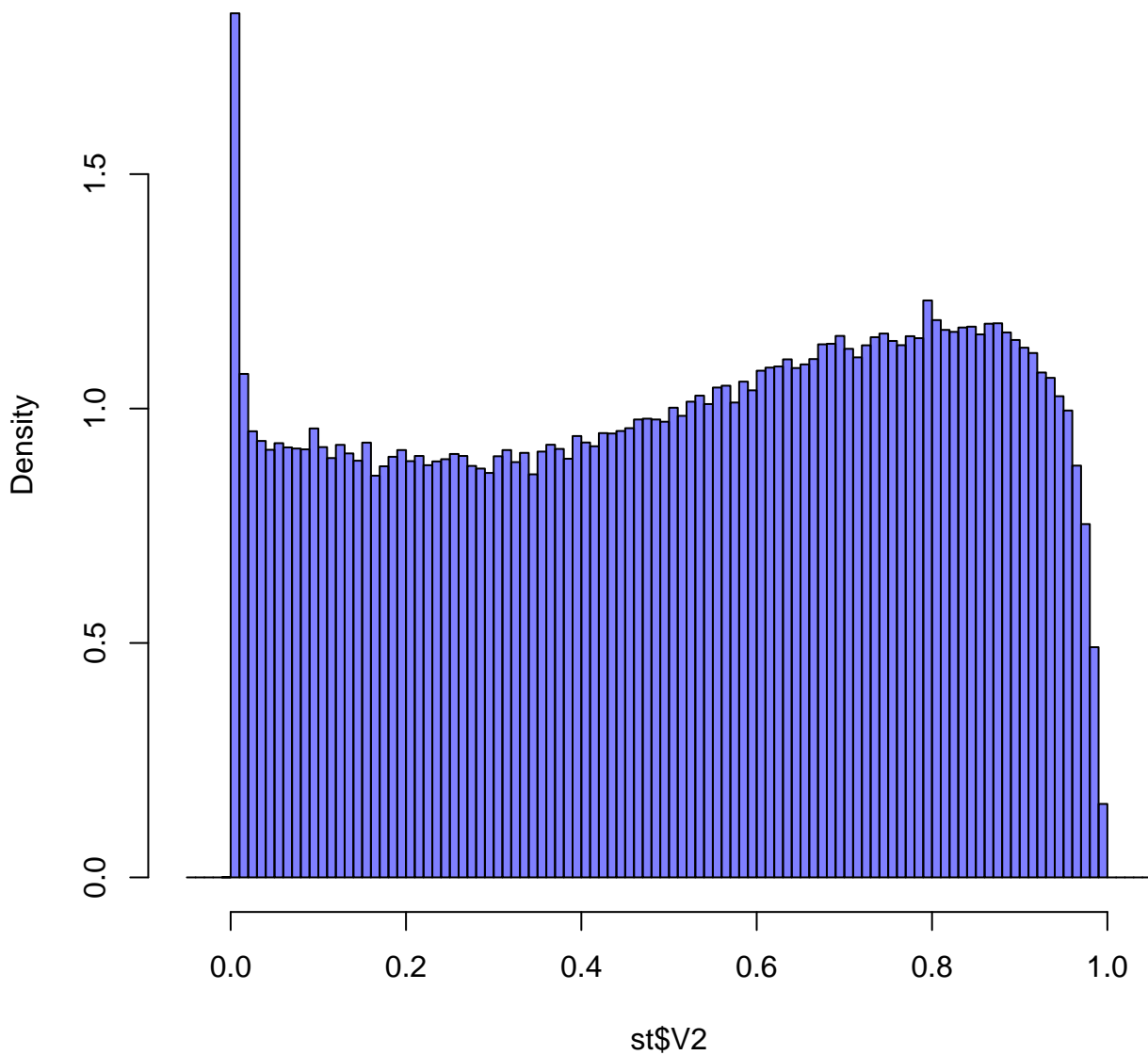




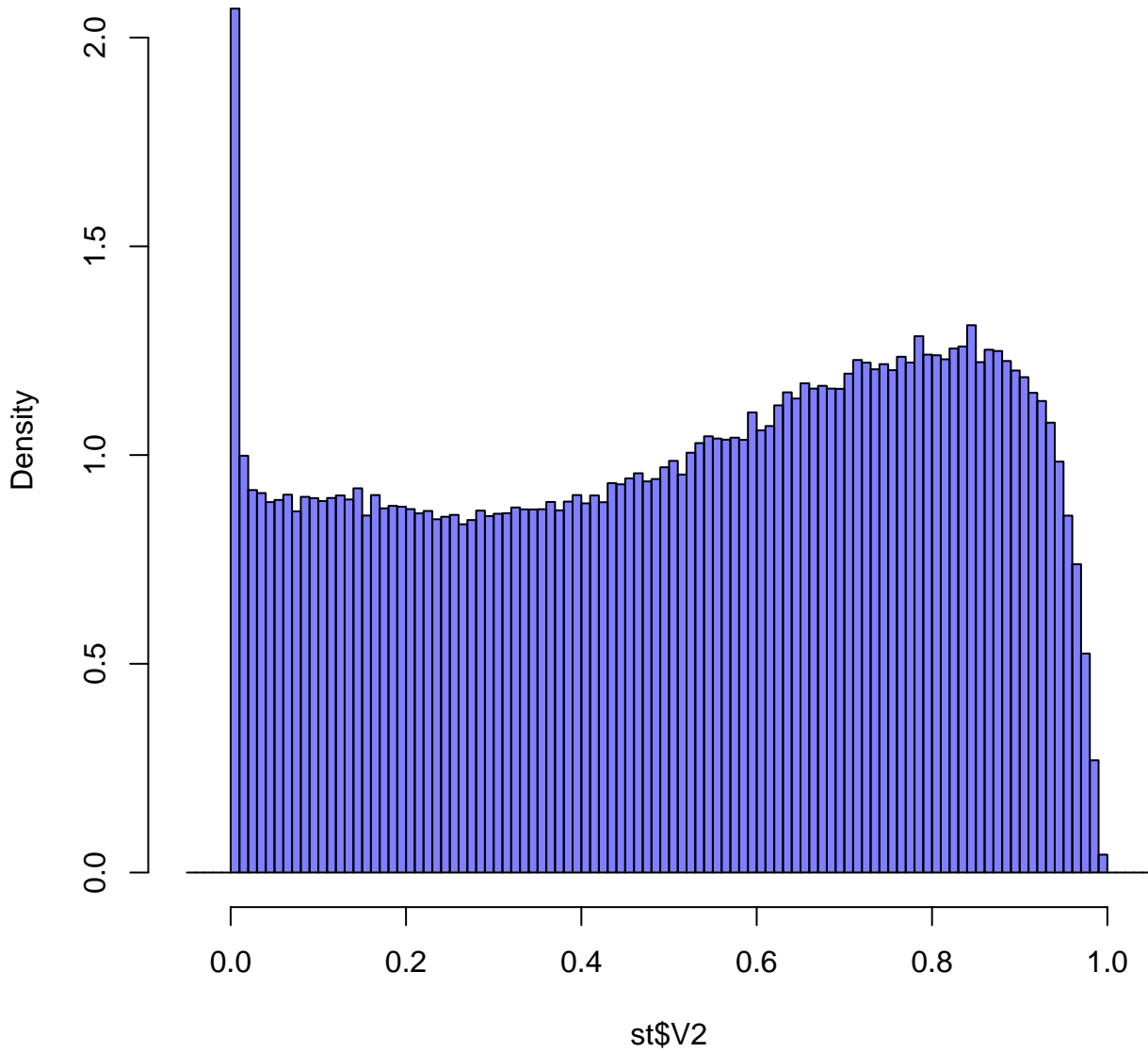
R<LEU>A<CA>



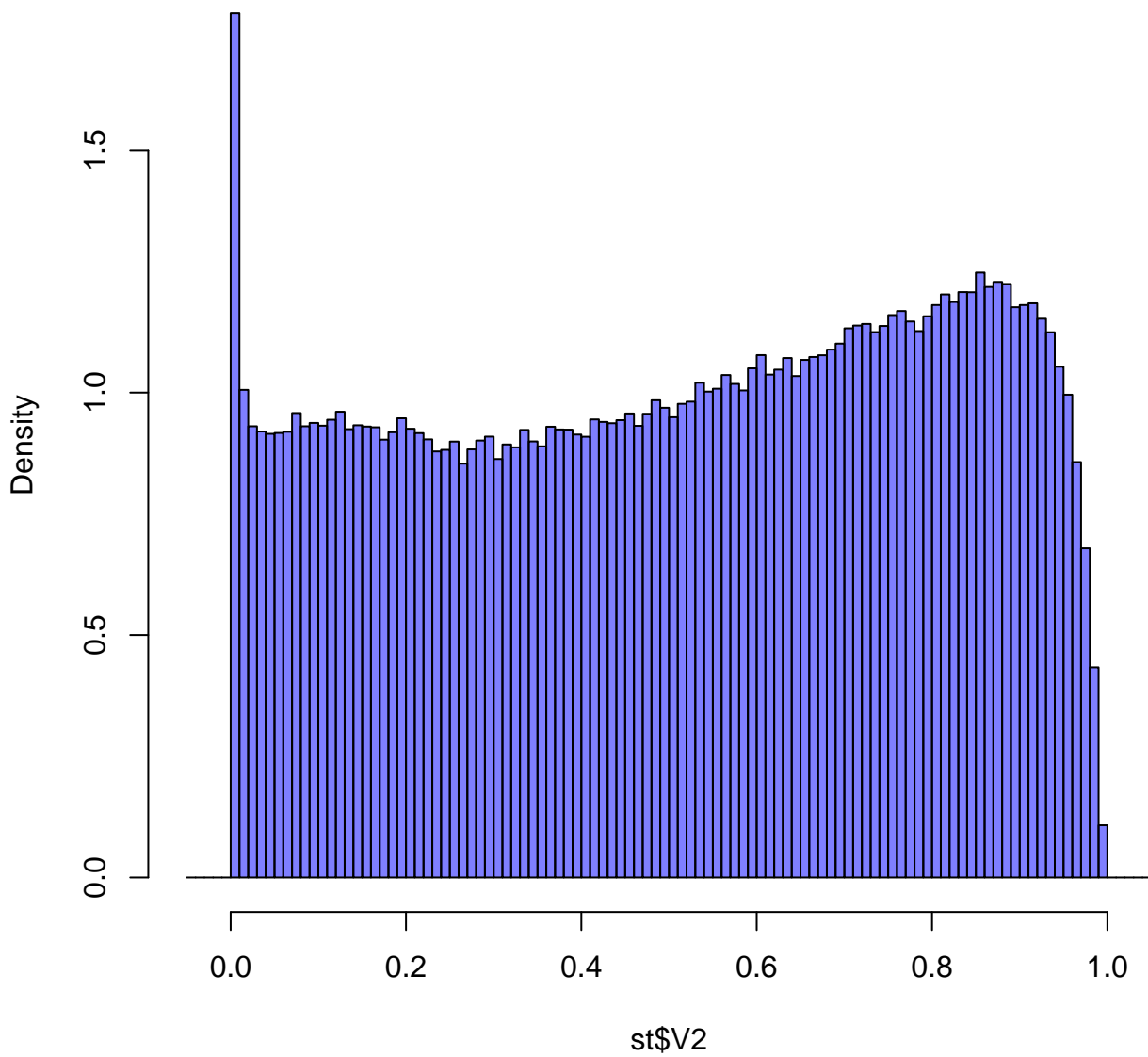
R<LEU>A<CB>



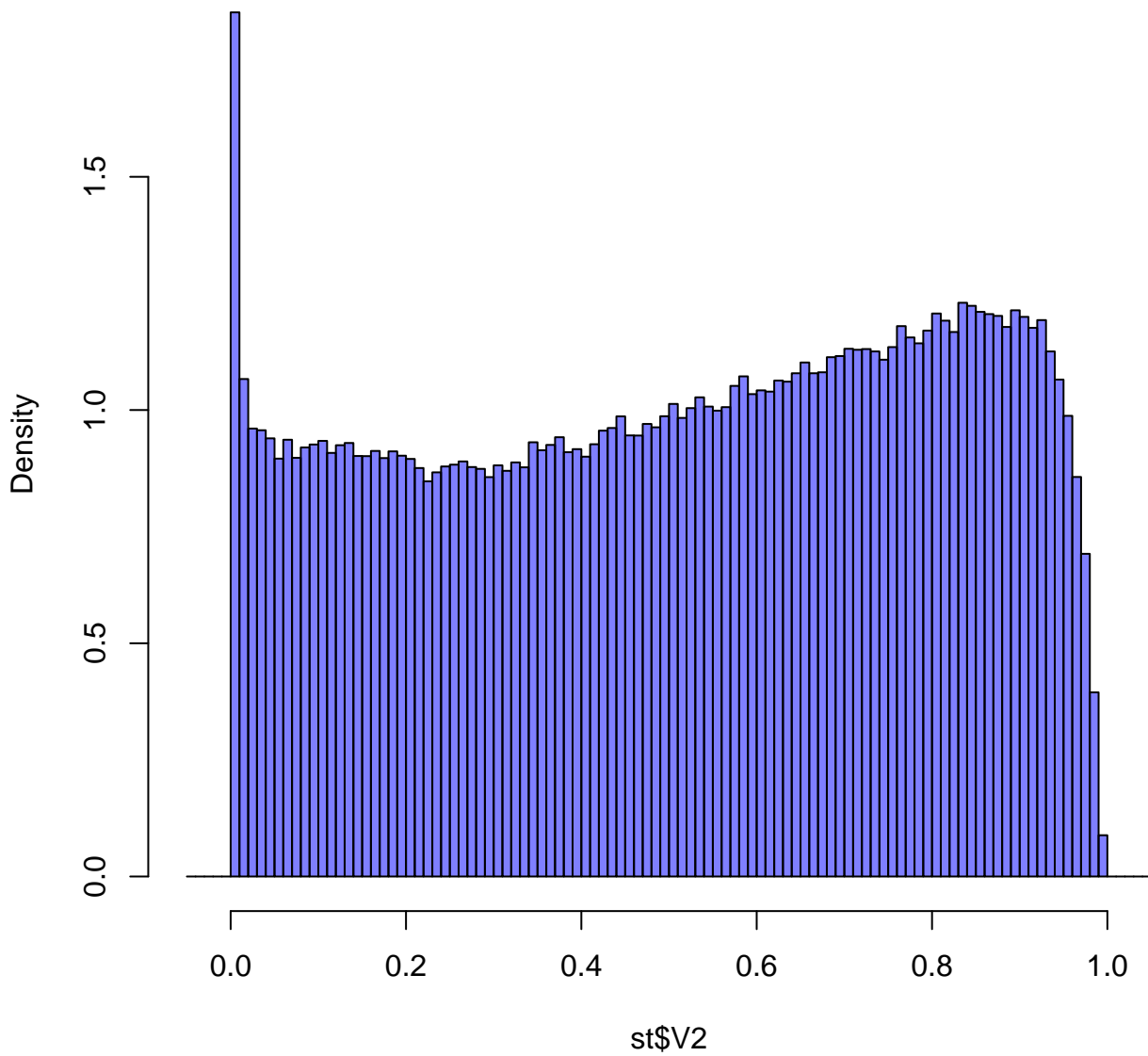
R<LEU>A<CD1>



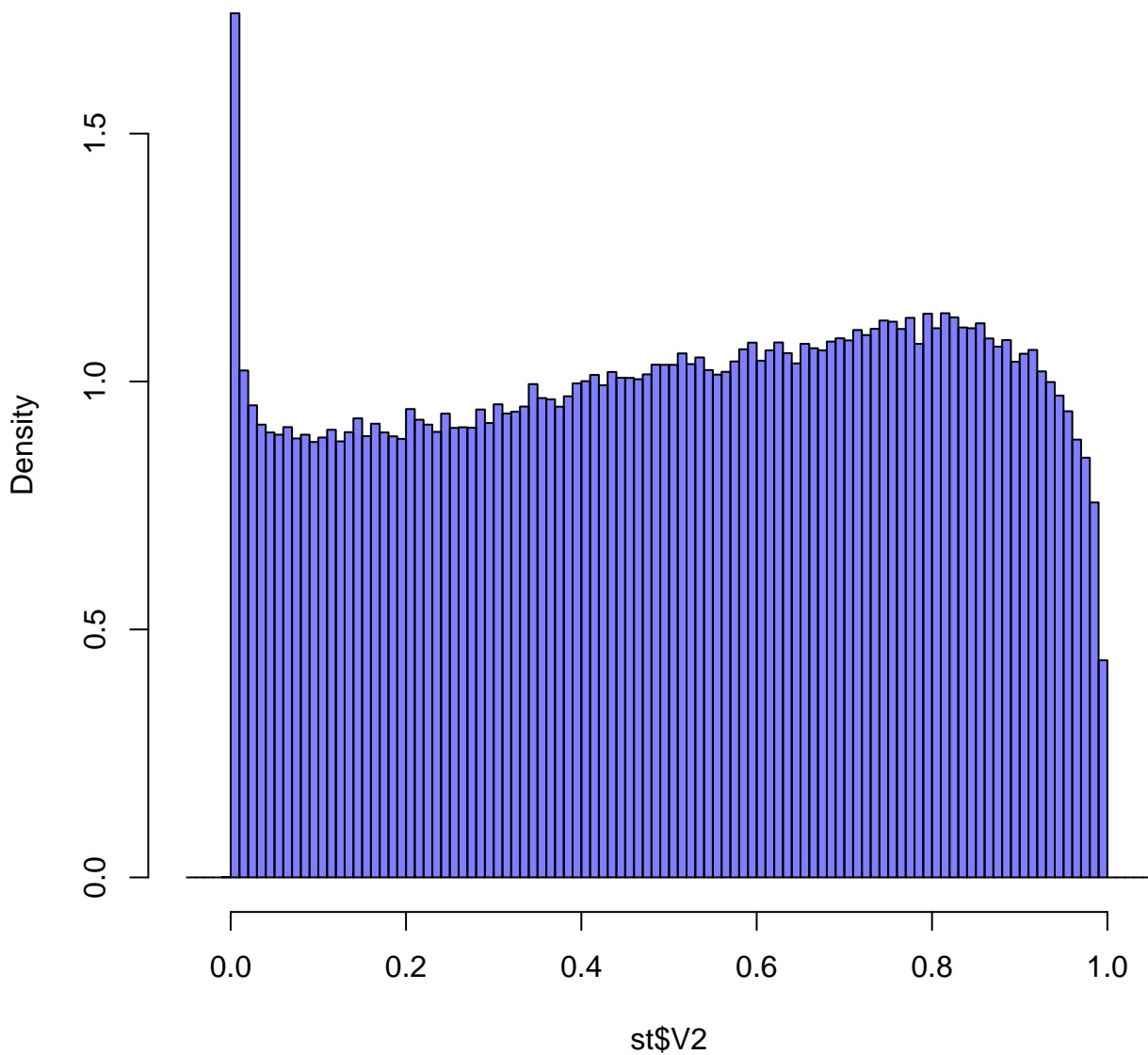
R<LEU>A<CD2>



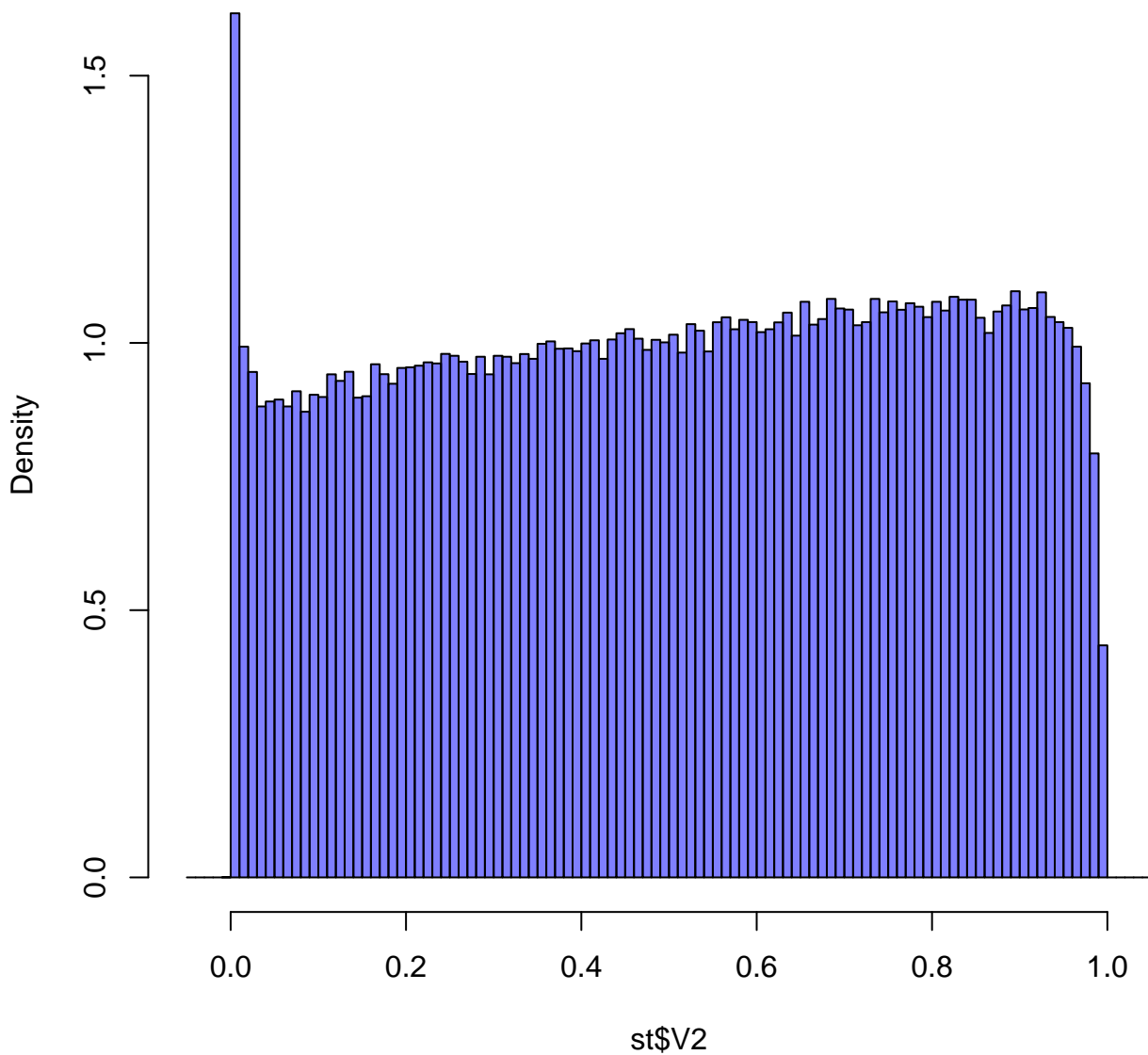
R<LEU>A<CG>



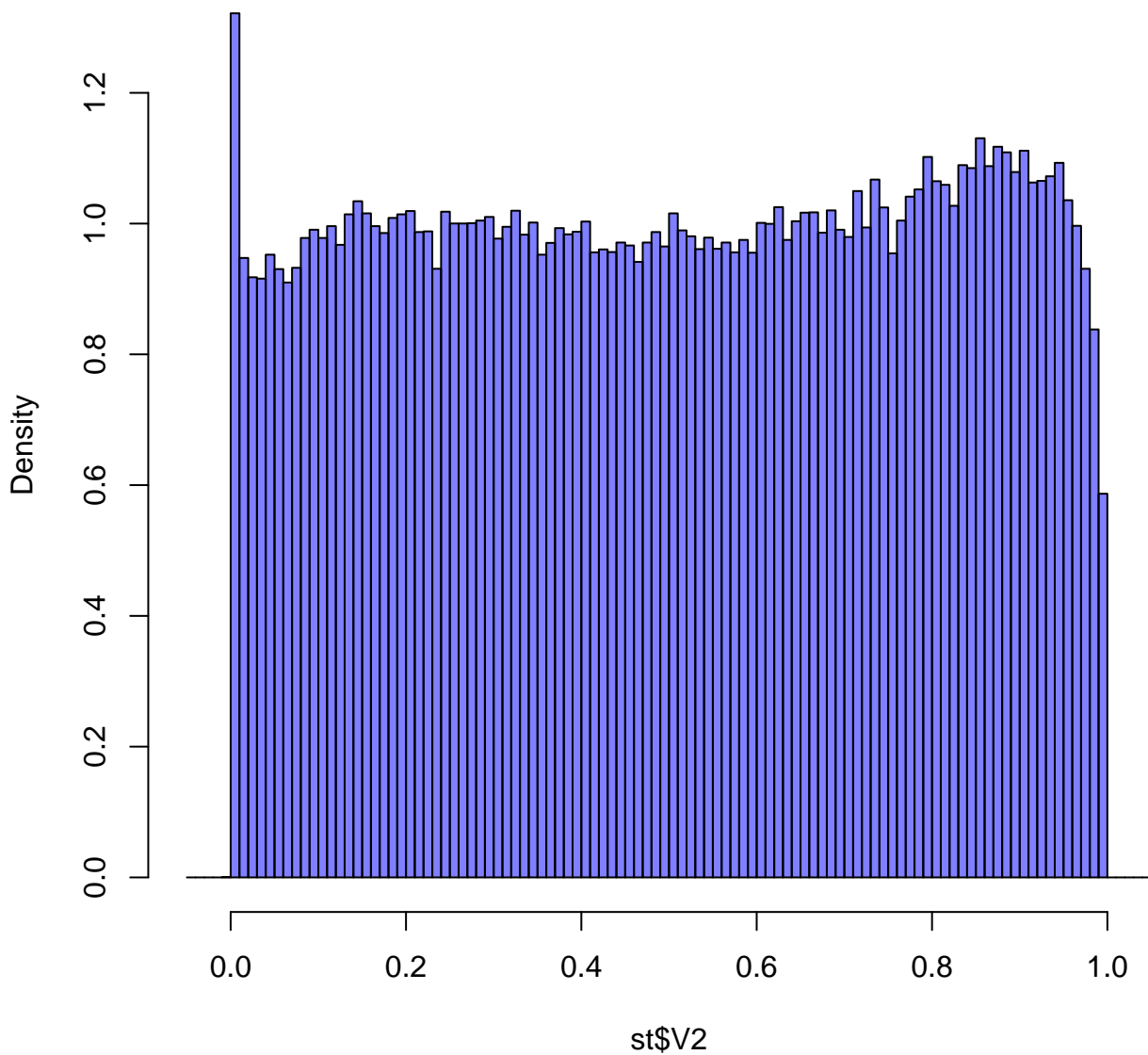
$R<LEU>A<N>$



R<LEU>A<O>

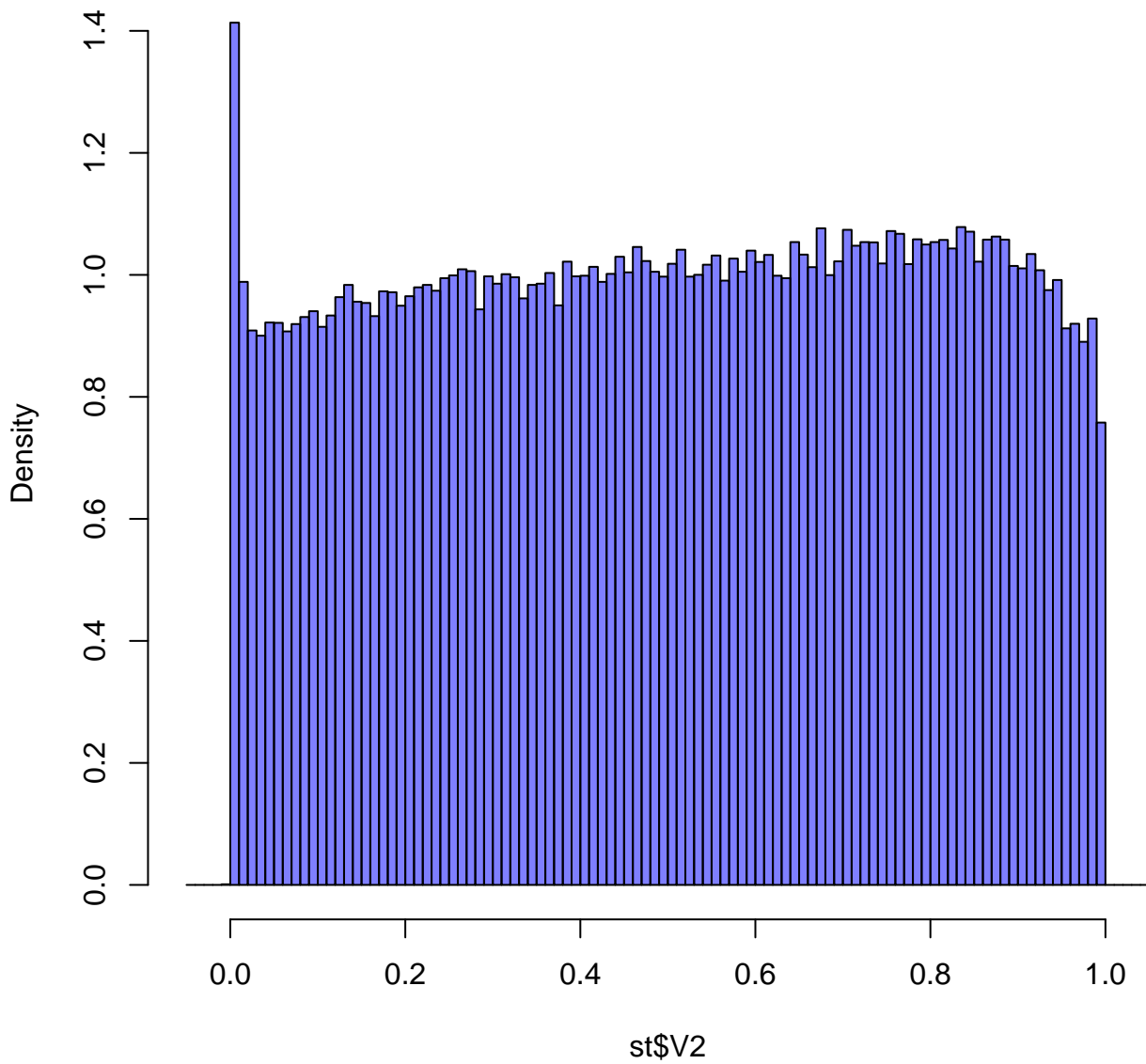


**R<LYS>A<C>**

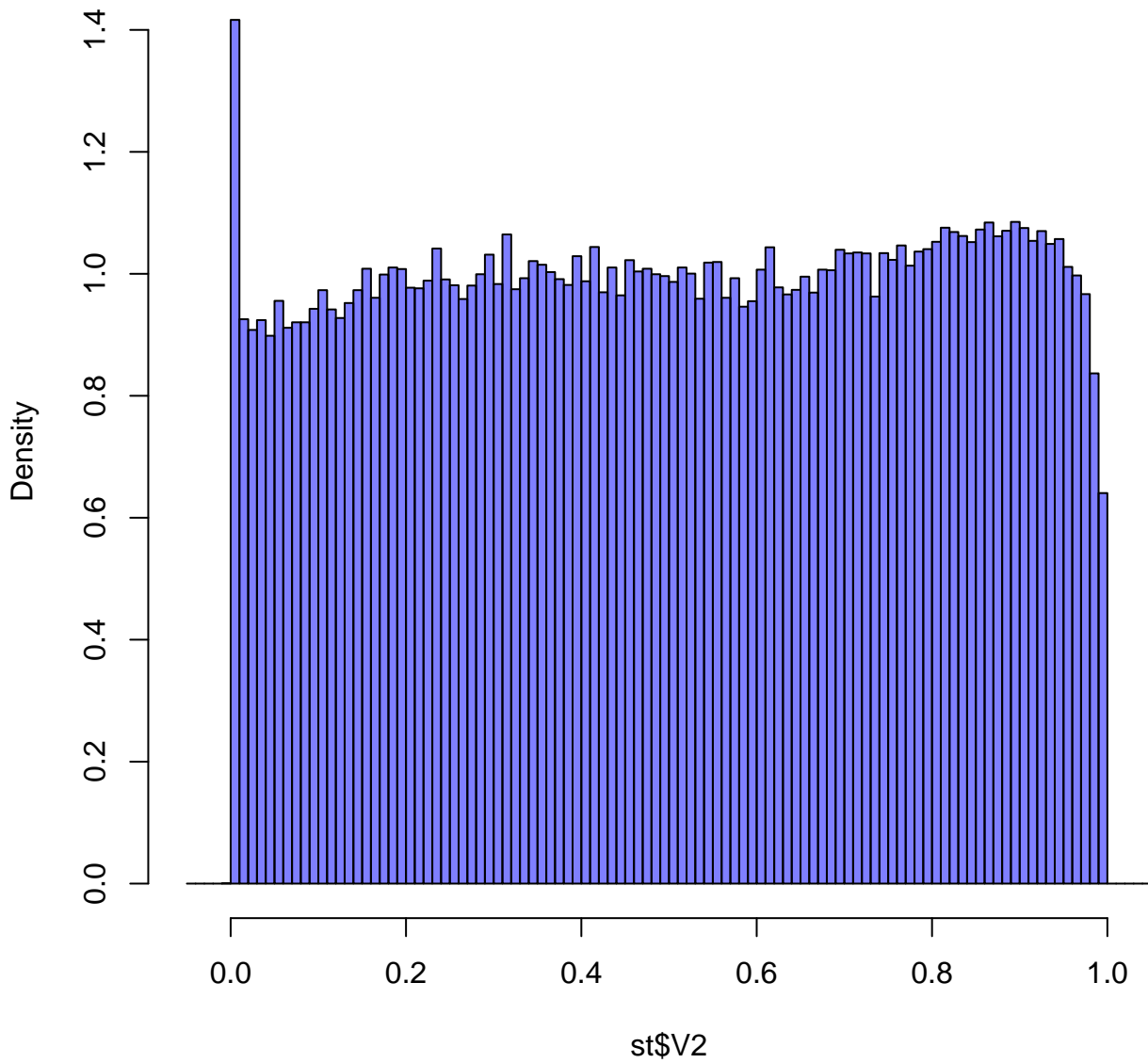




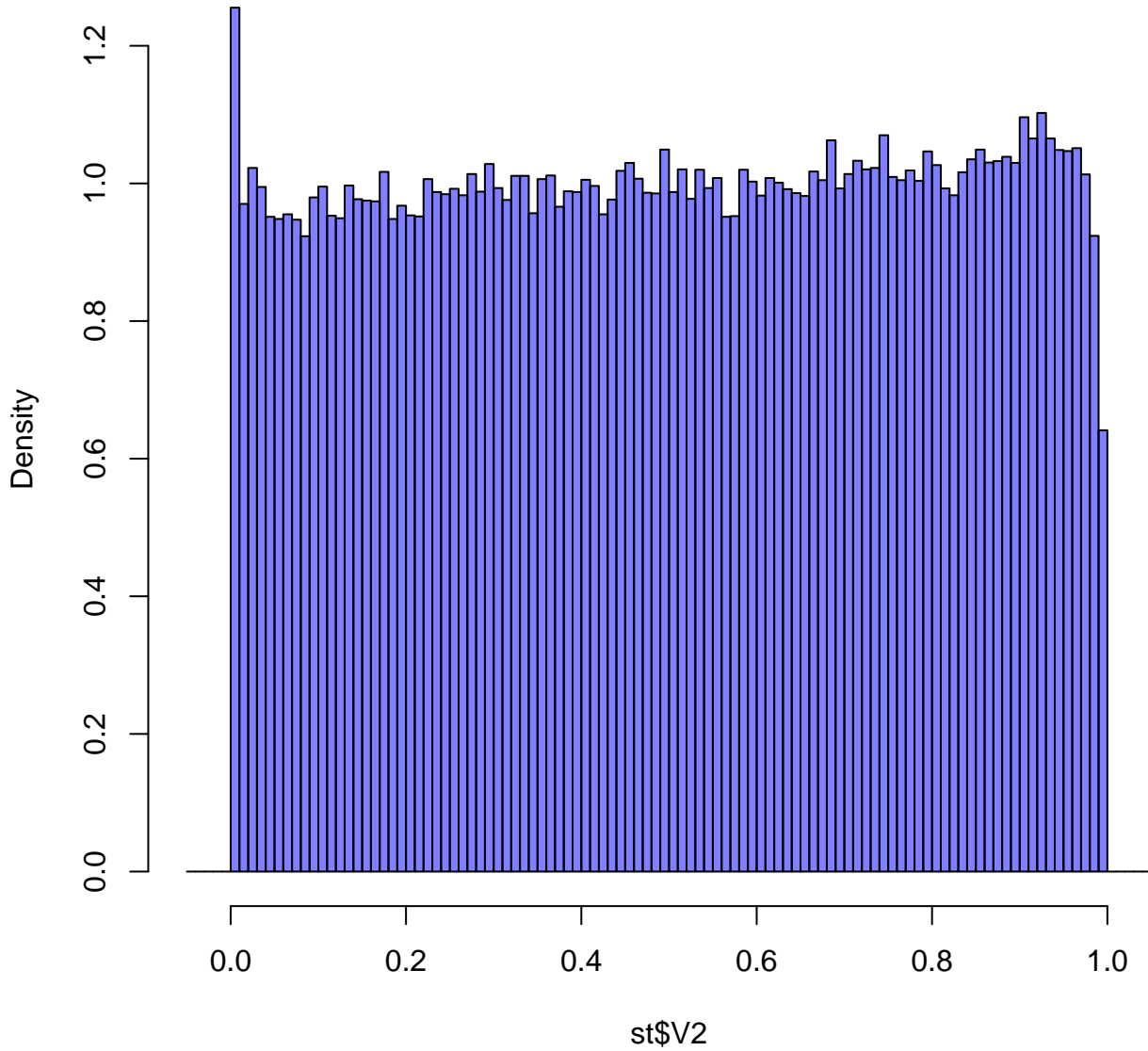
R<LYS>A<CA>



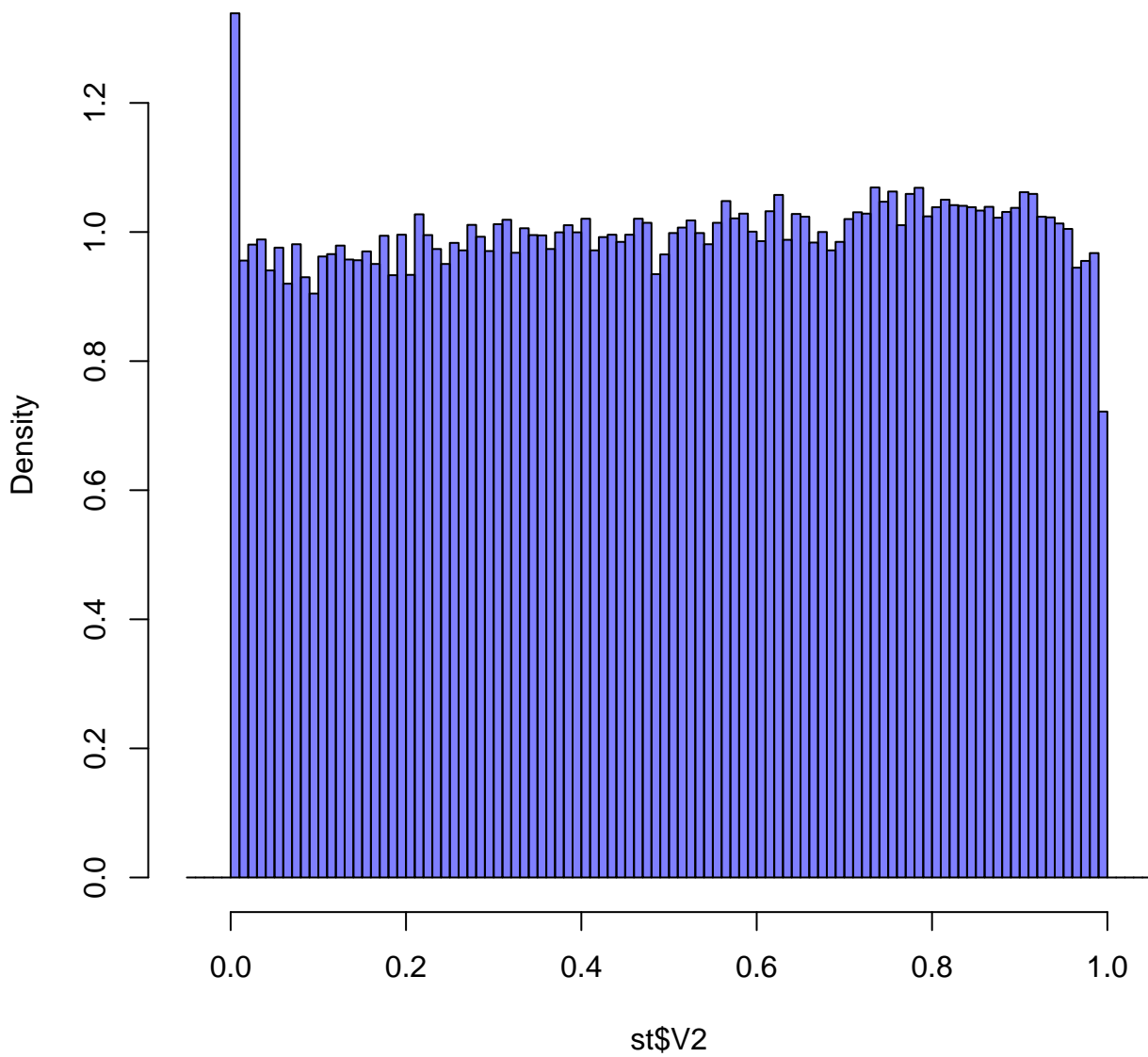
**R<LYS>A<CB>**



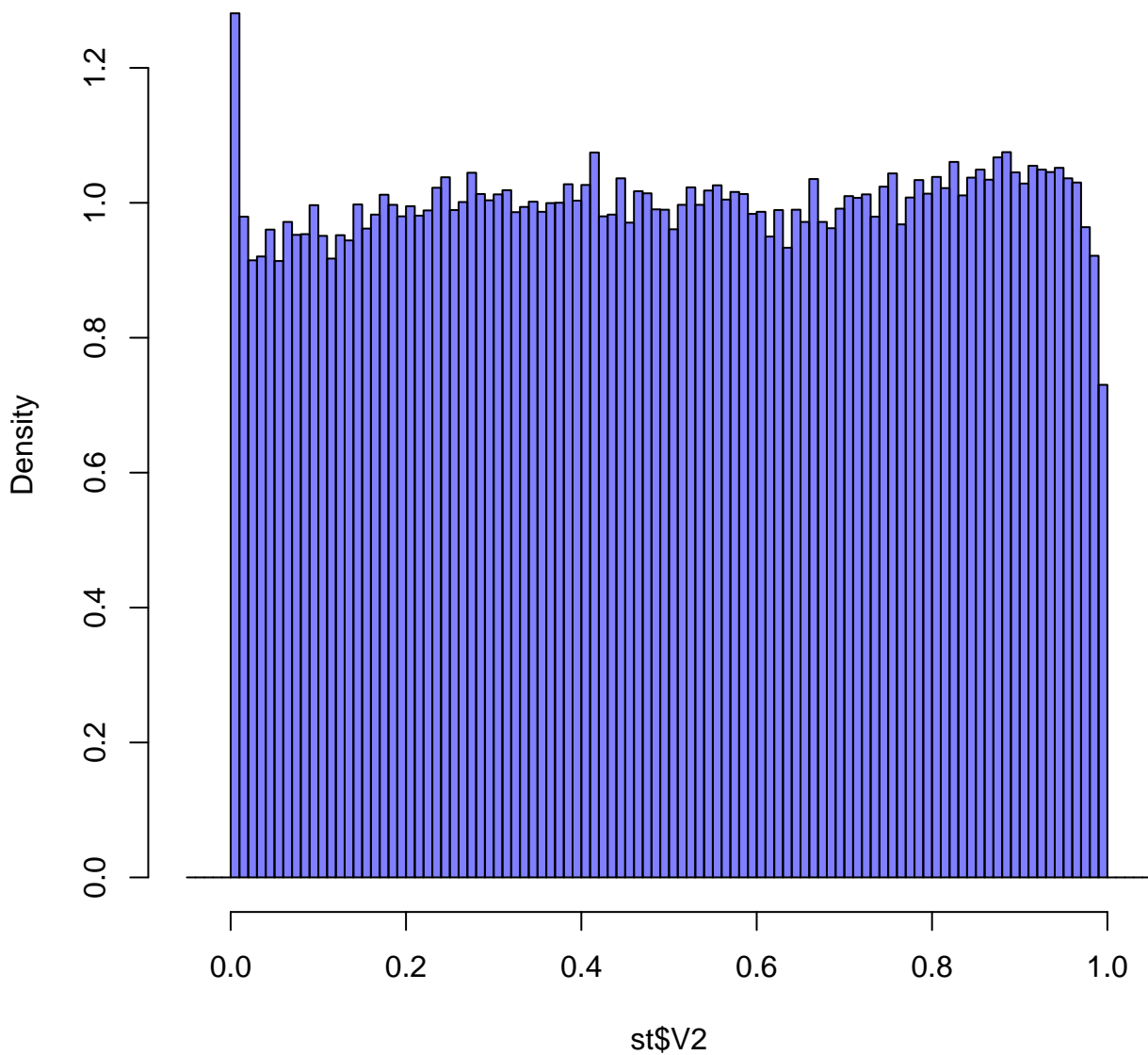
**R<LYS>A<CD>**



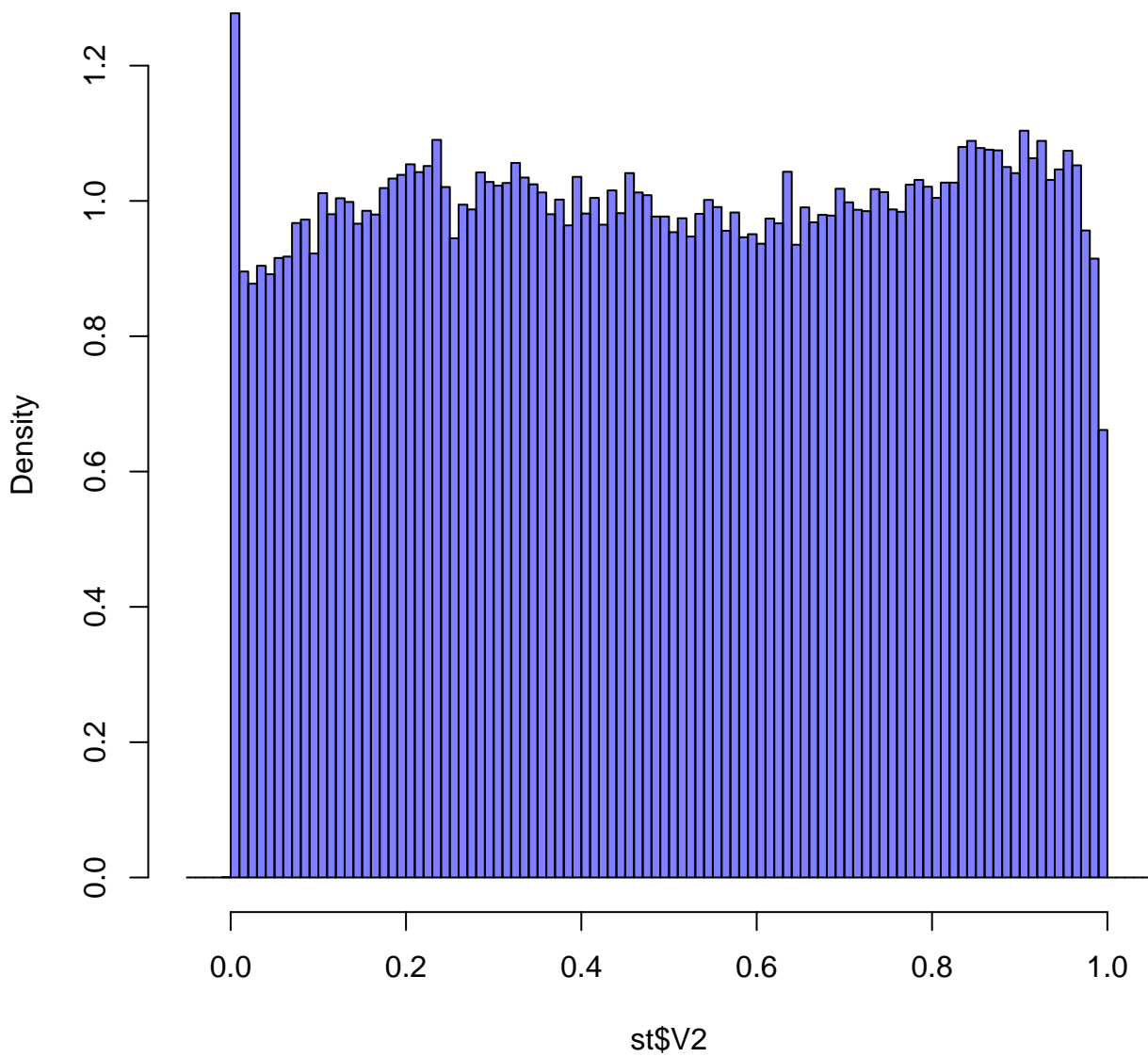
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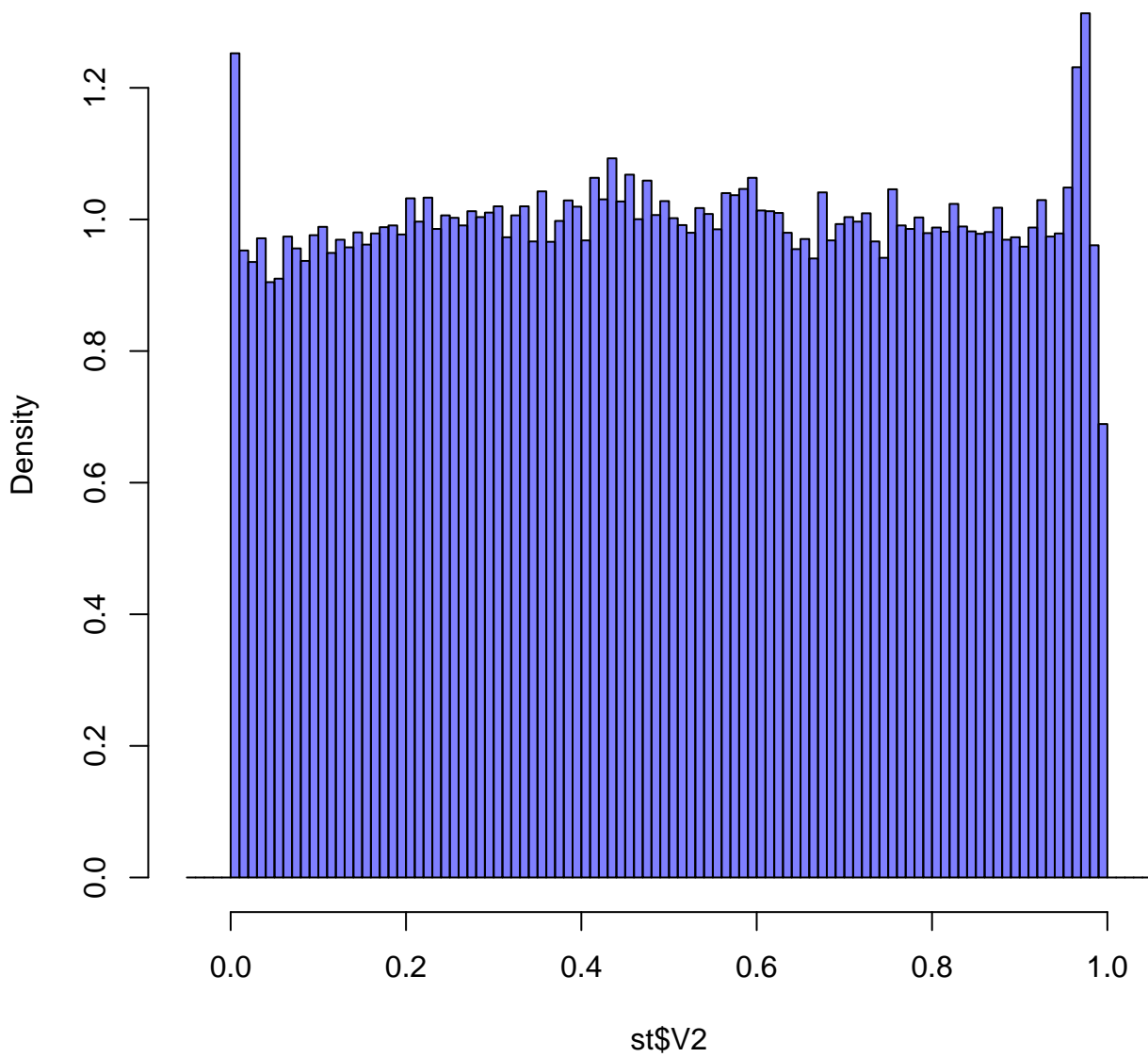
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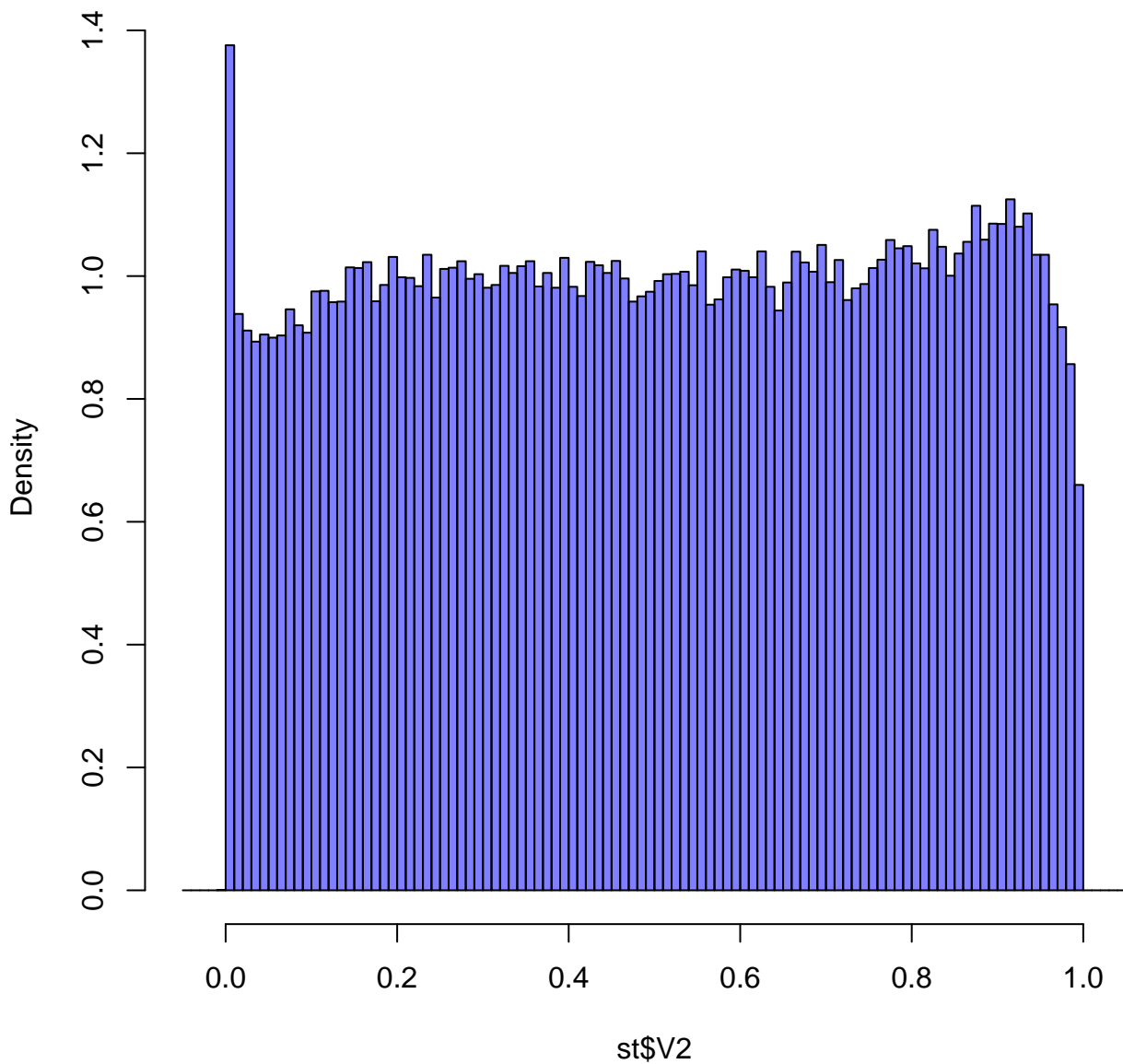
**R<LYS>A<N>**



R<LYS>A<NZ>

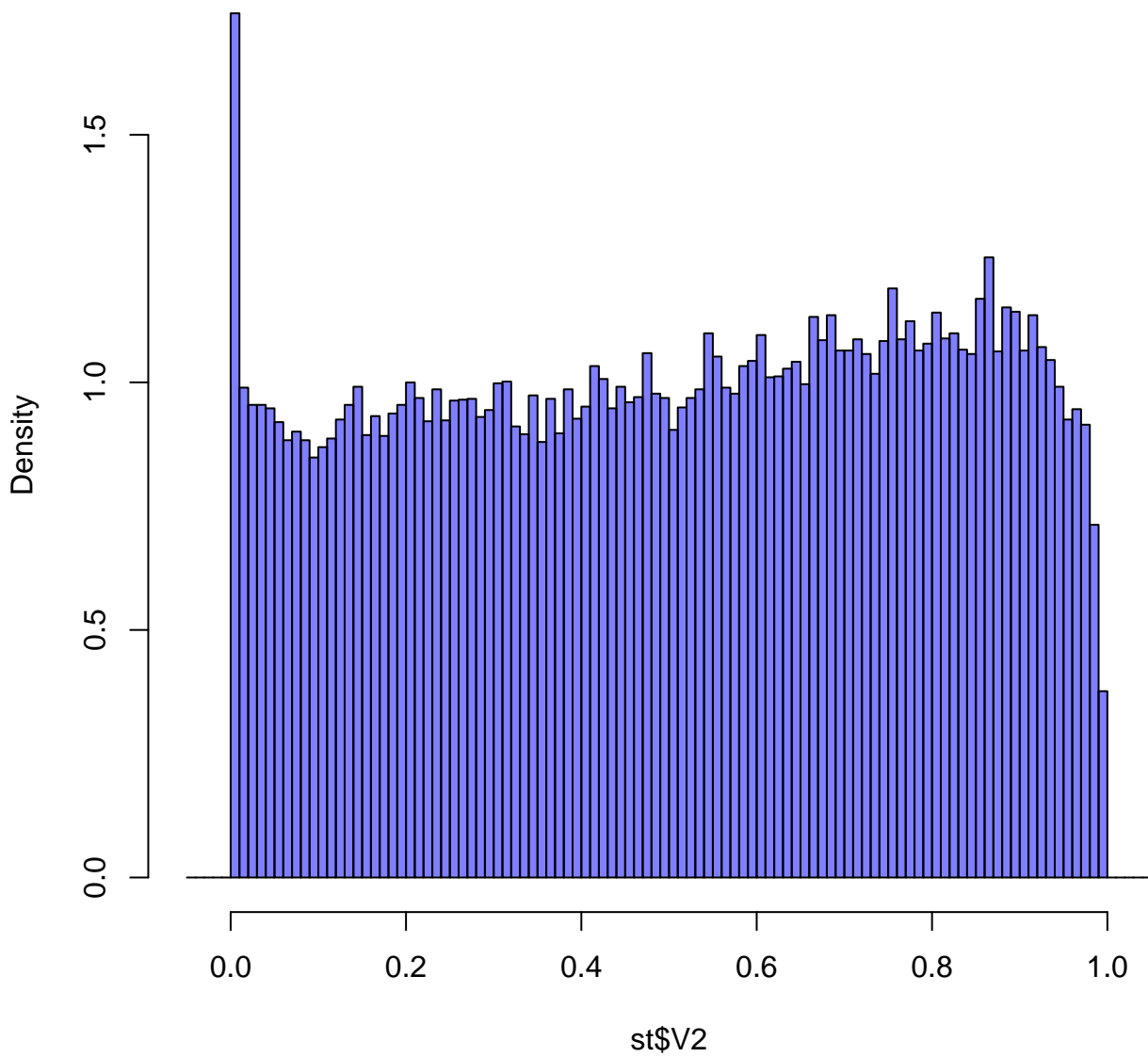


$R\langle\text{LYS}\rangle A\langle\text{O}\rangle$

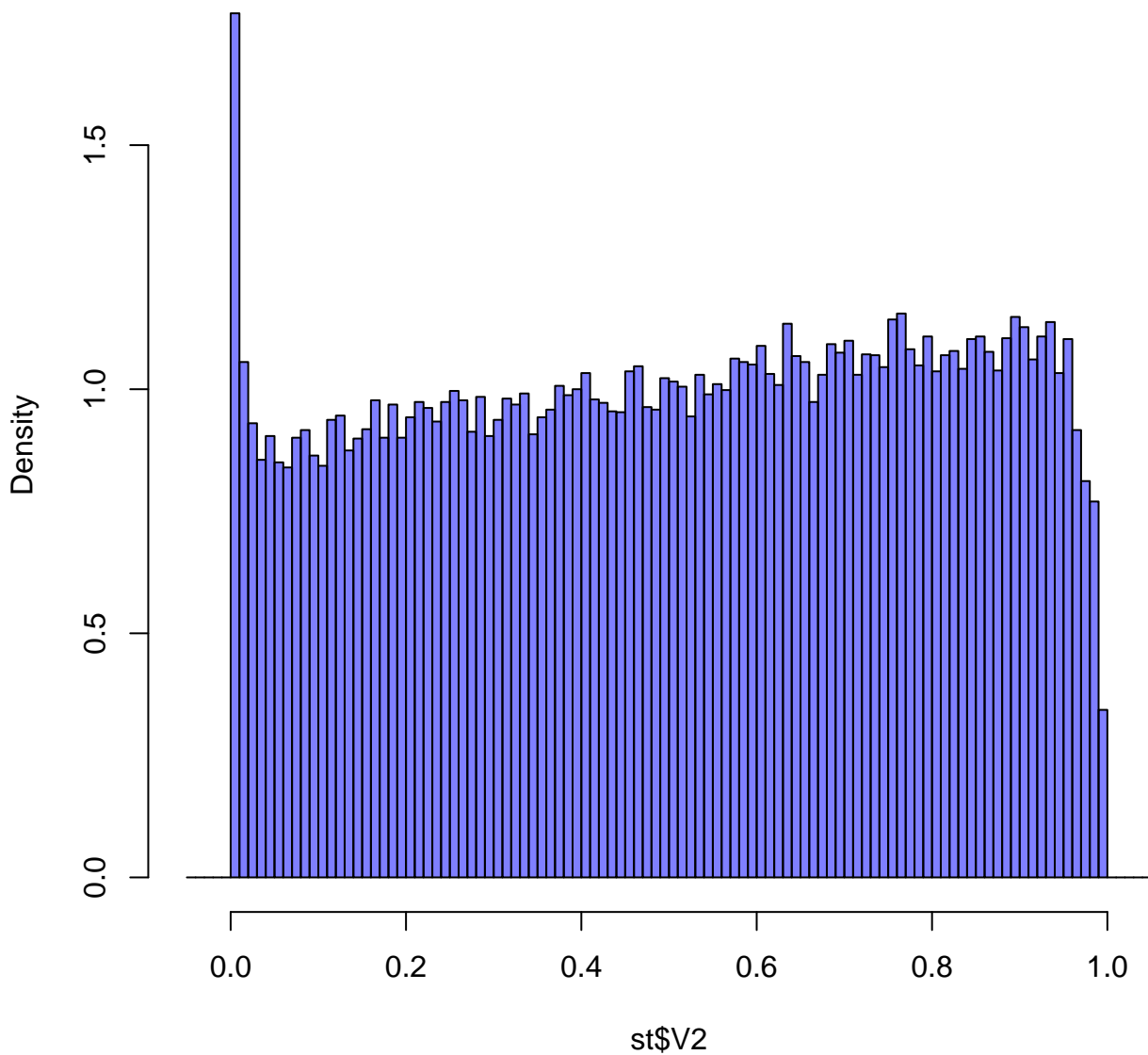




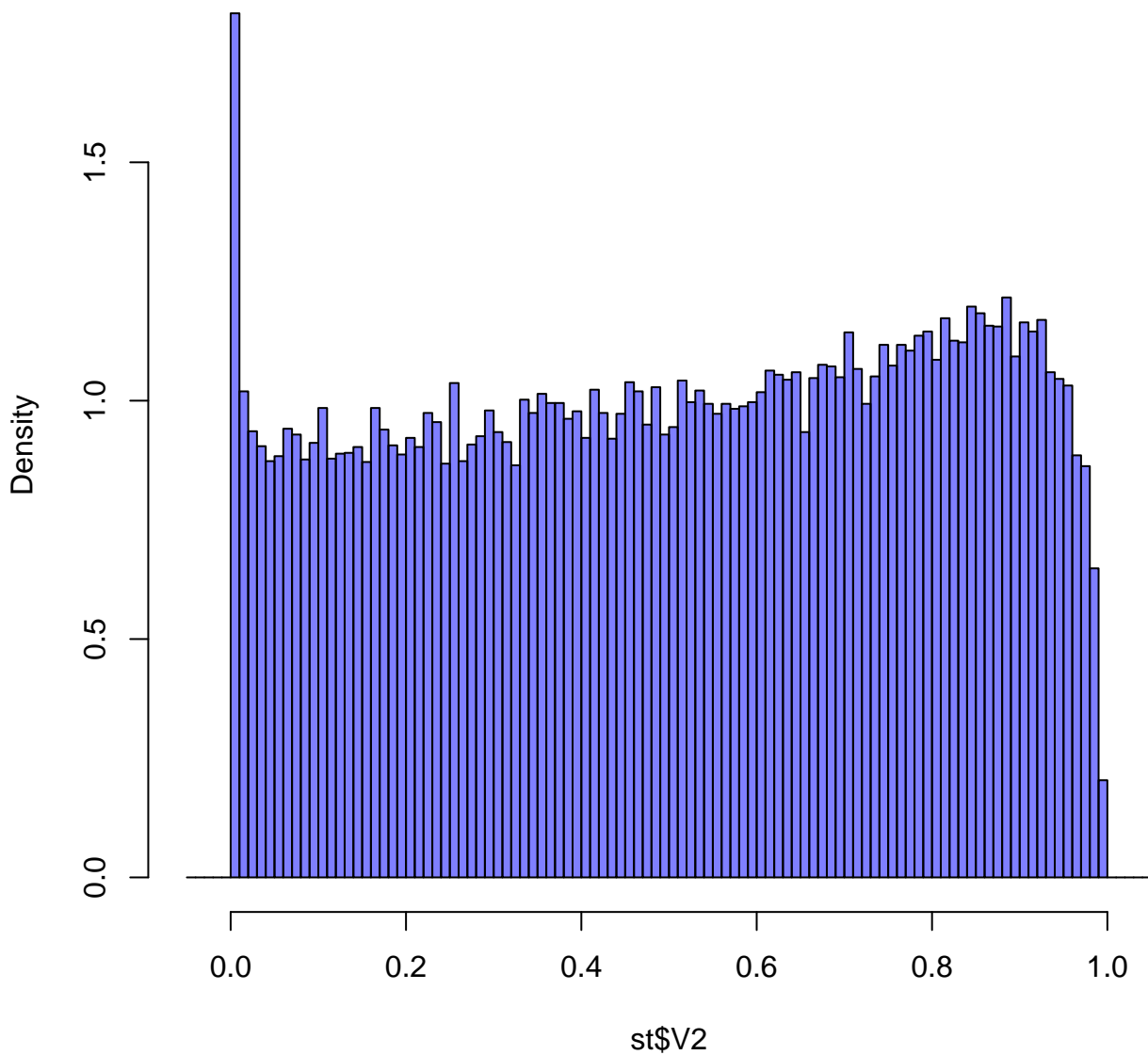
$R\langle MET \rangle A\langle C \rangle$



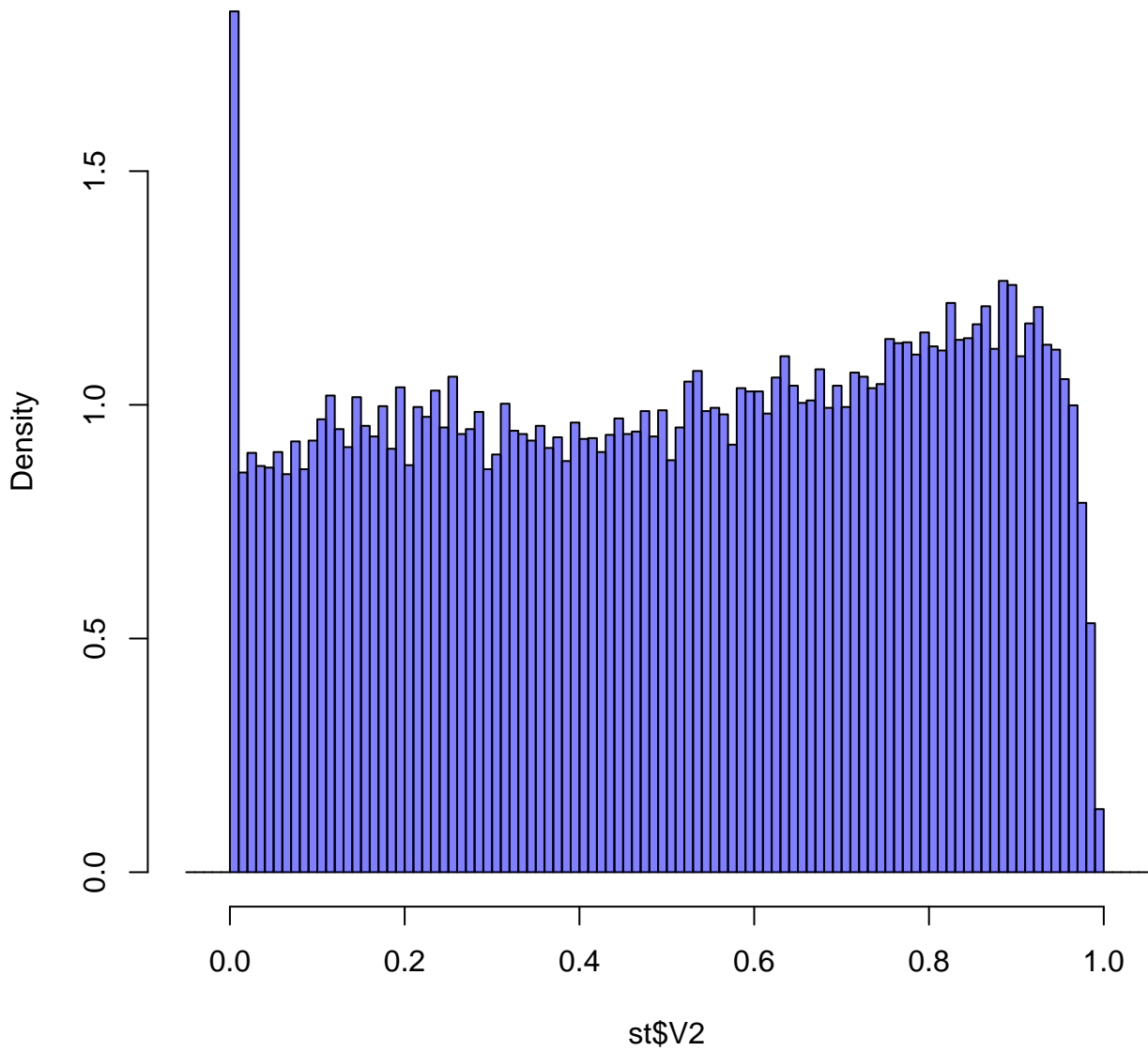
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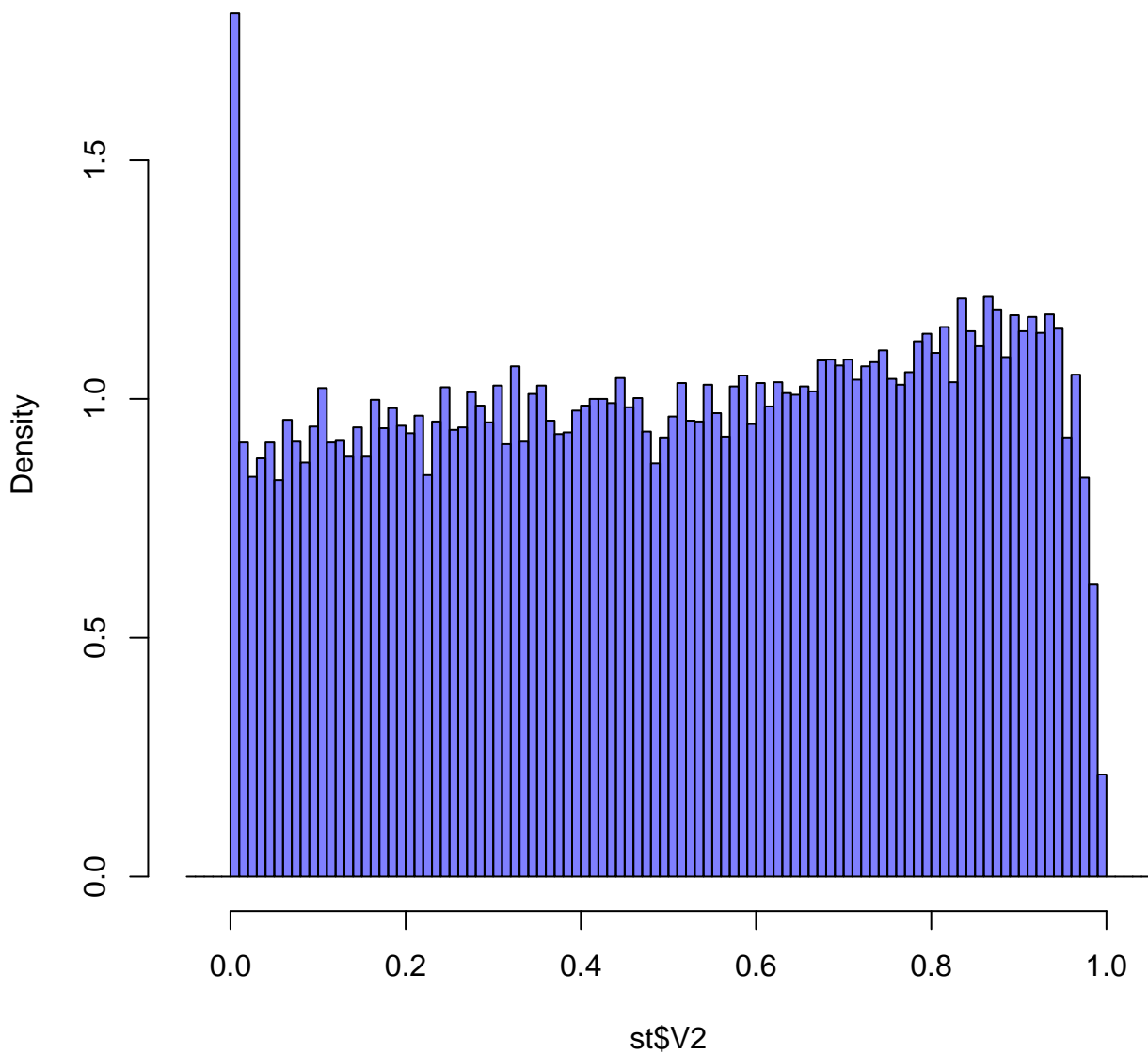
$R\langle MET \rangle A\langle CB \rangle$



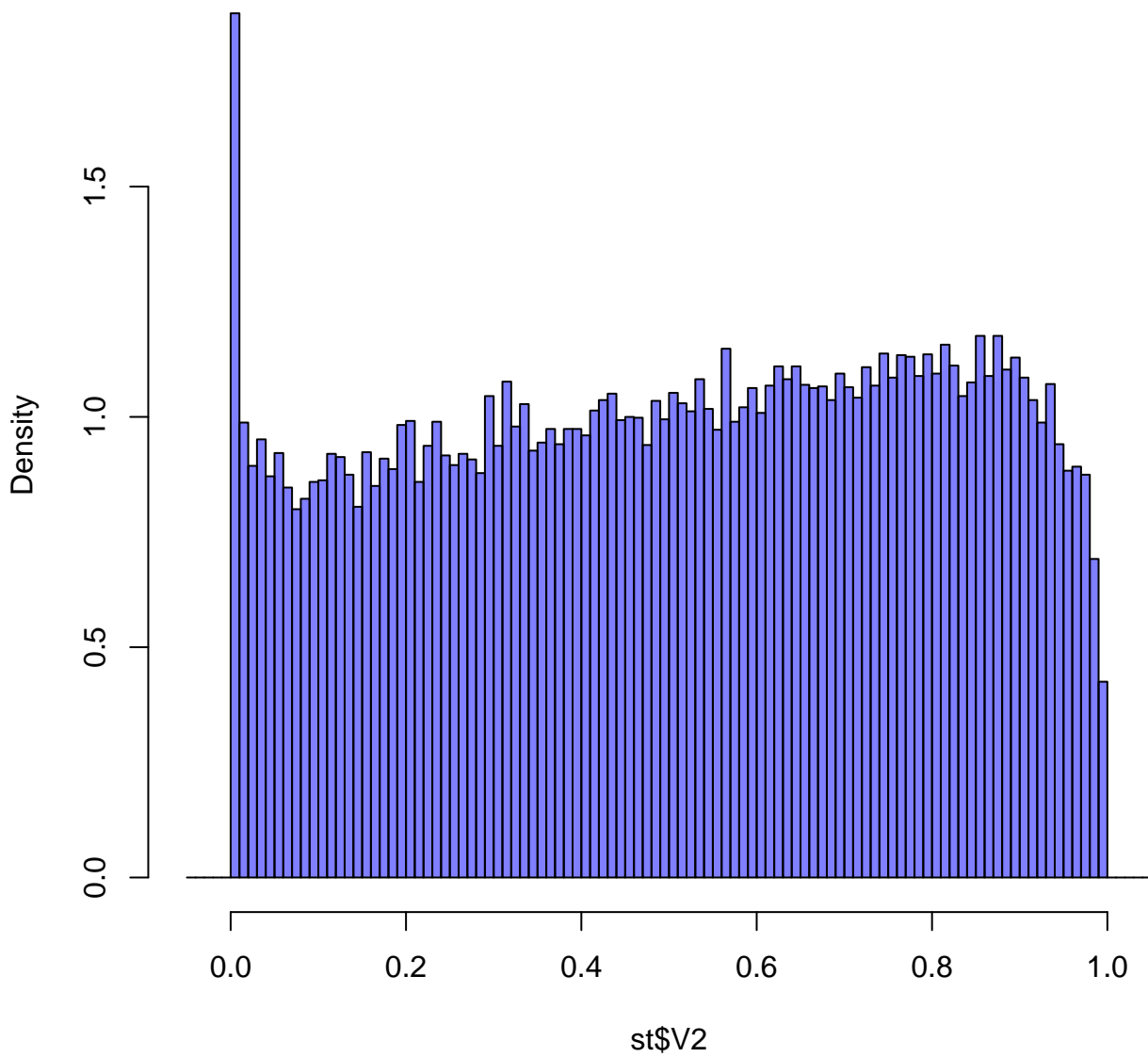
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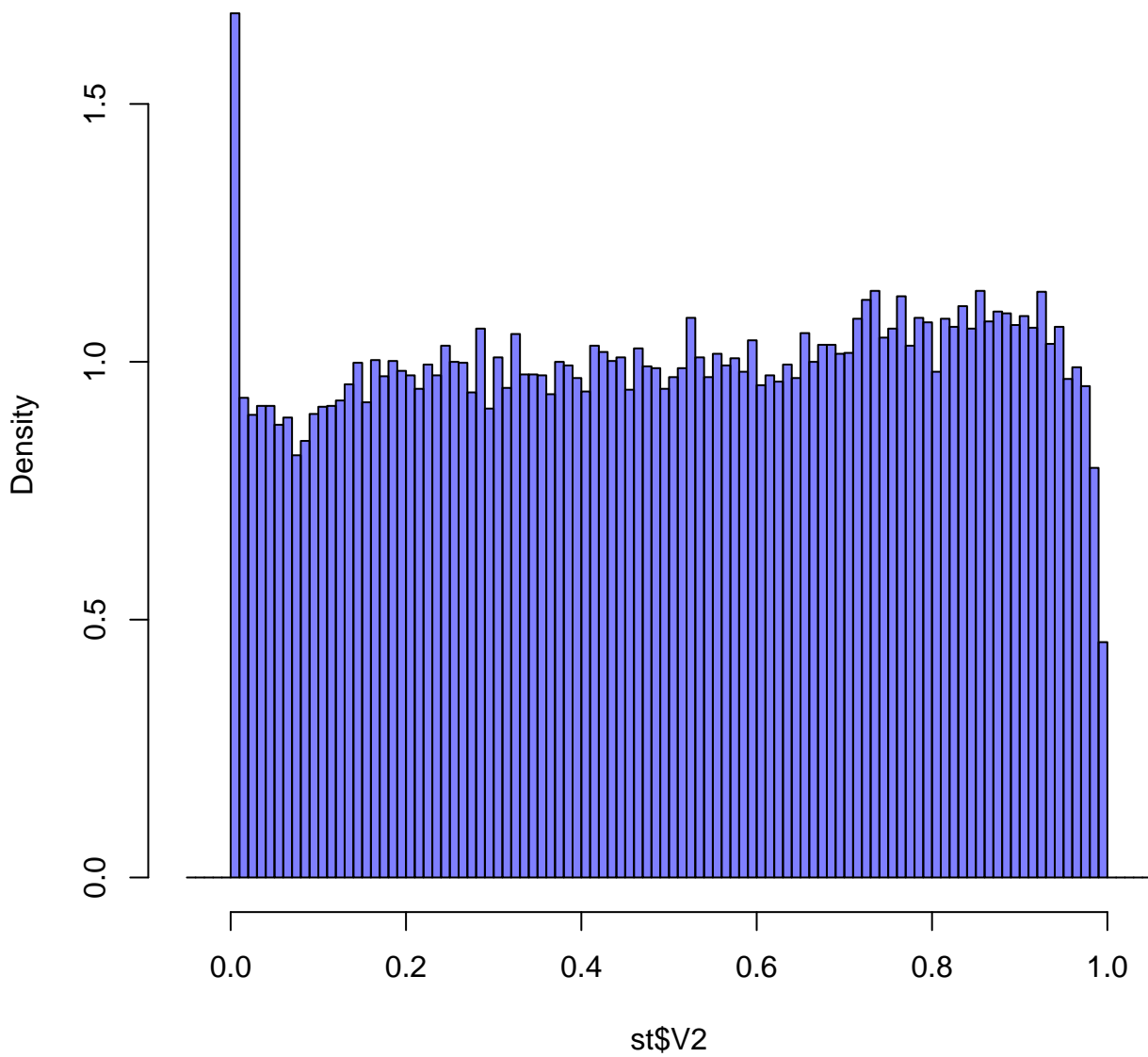
**R<MET>A<CG>**



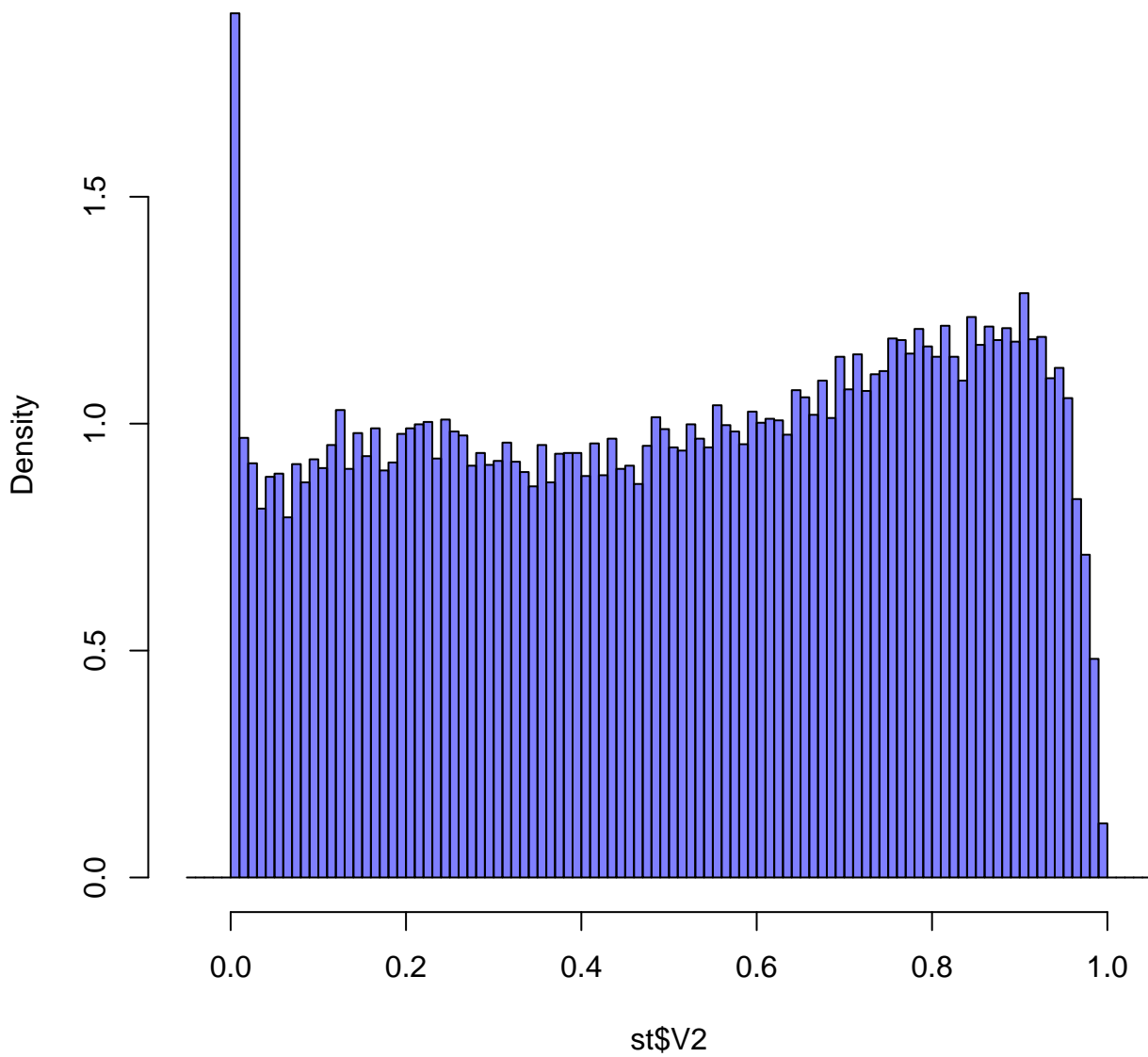
$R\langle MET \rangle A\langle N \rangle$



$R\langle MET \rangle A\langle O \rangle$

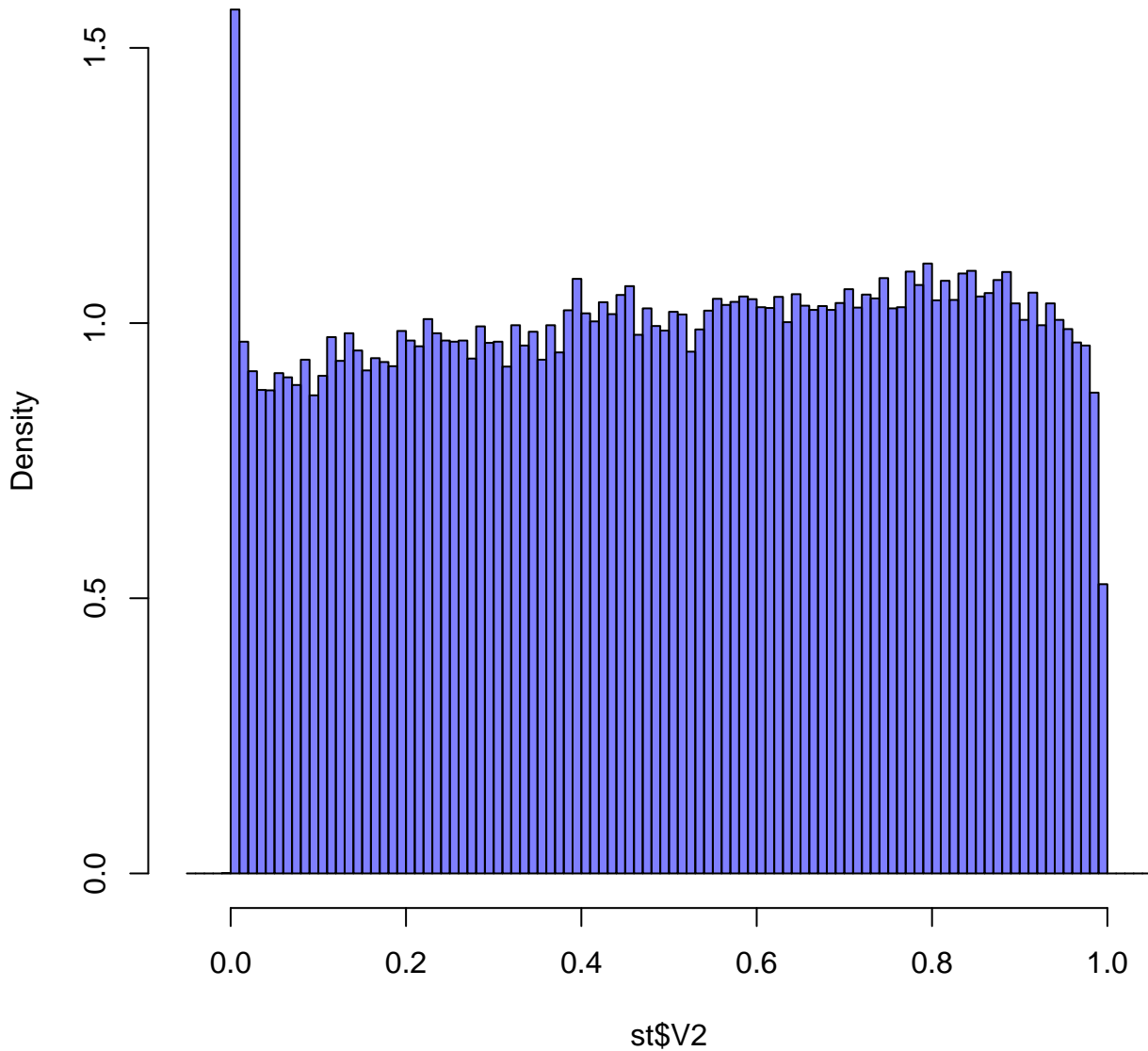


R<MET>A<SD>

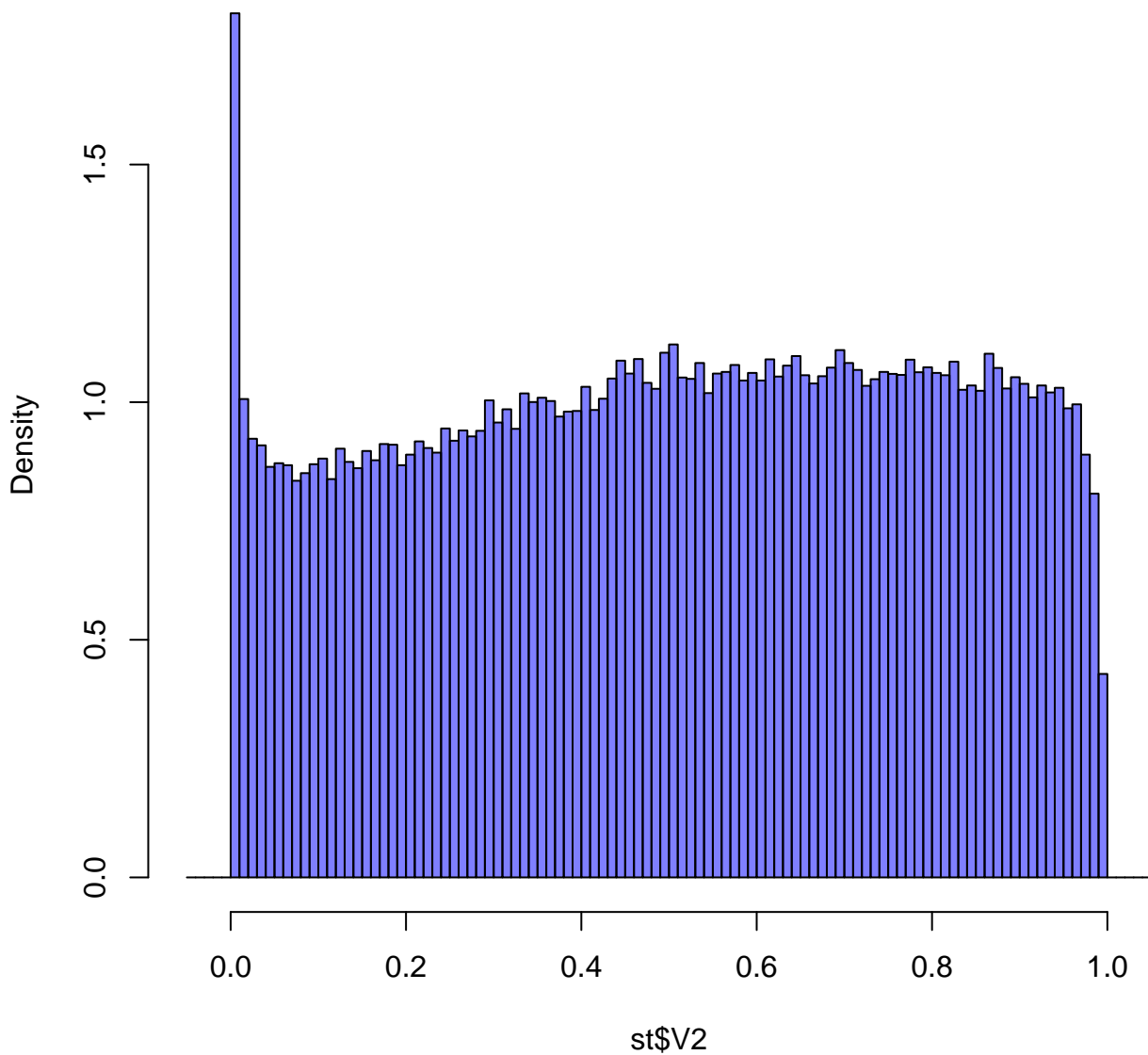




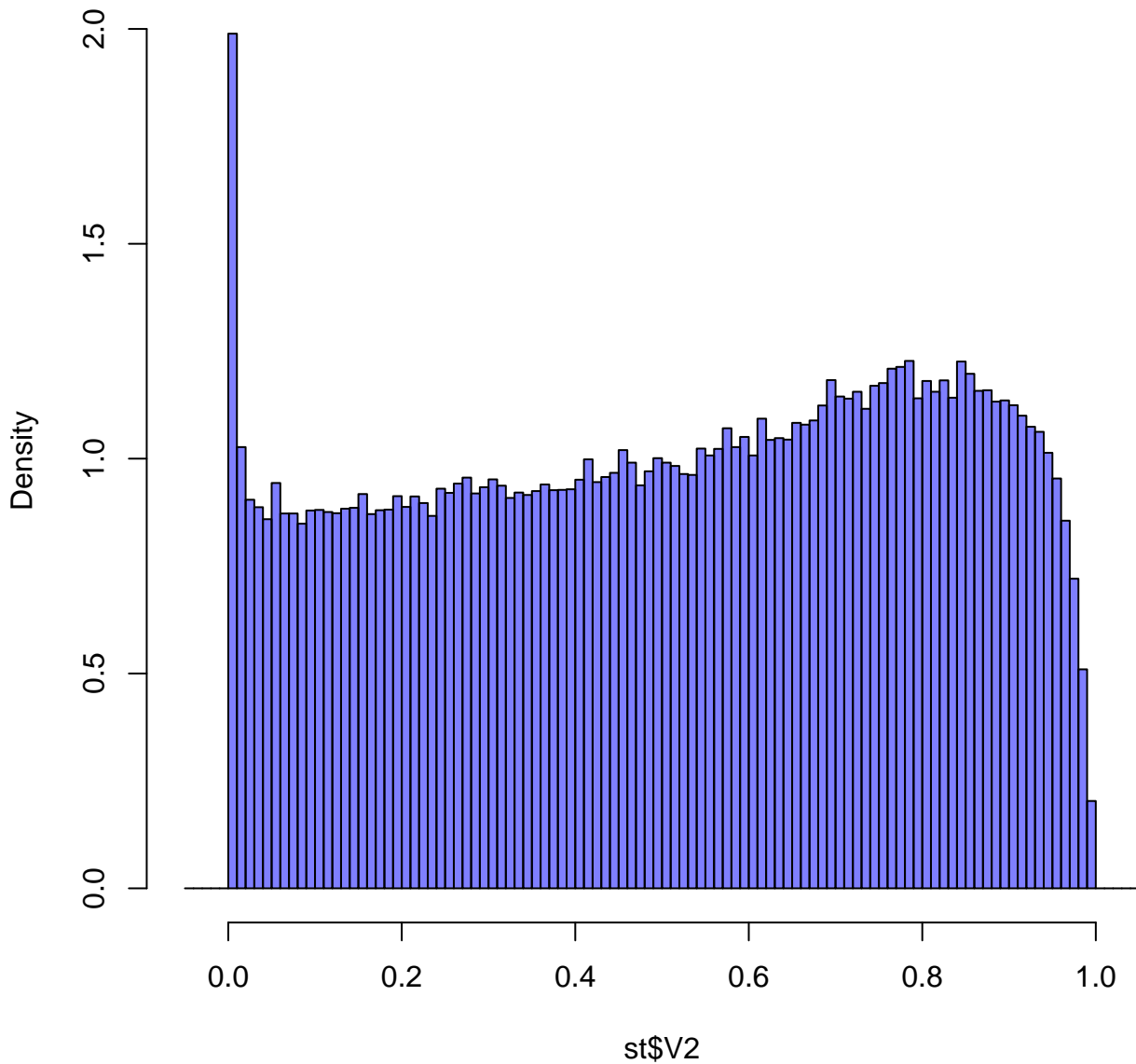
R<PHE>A<C>



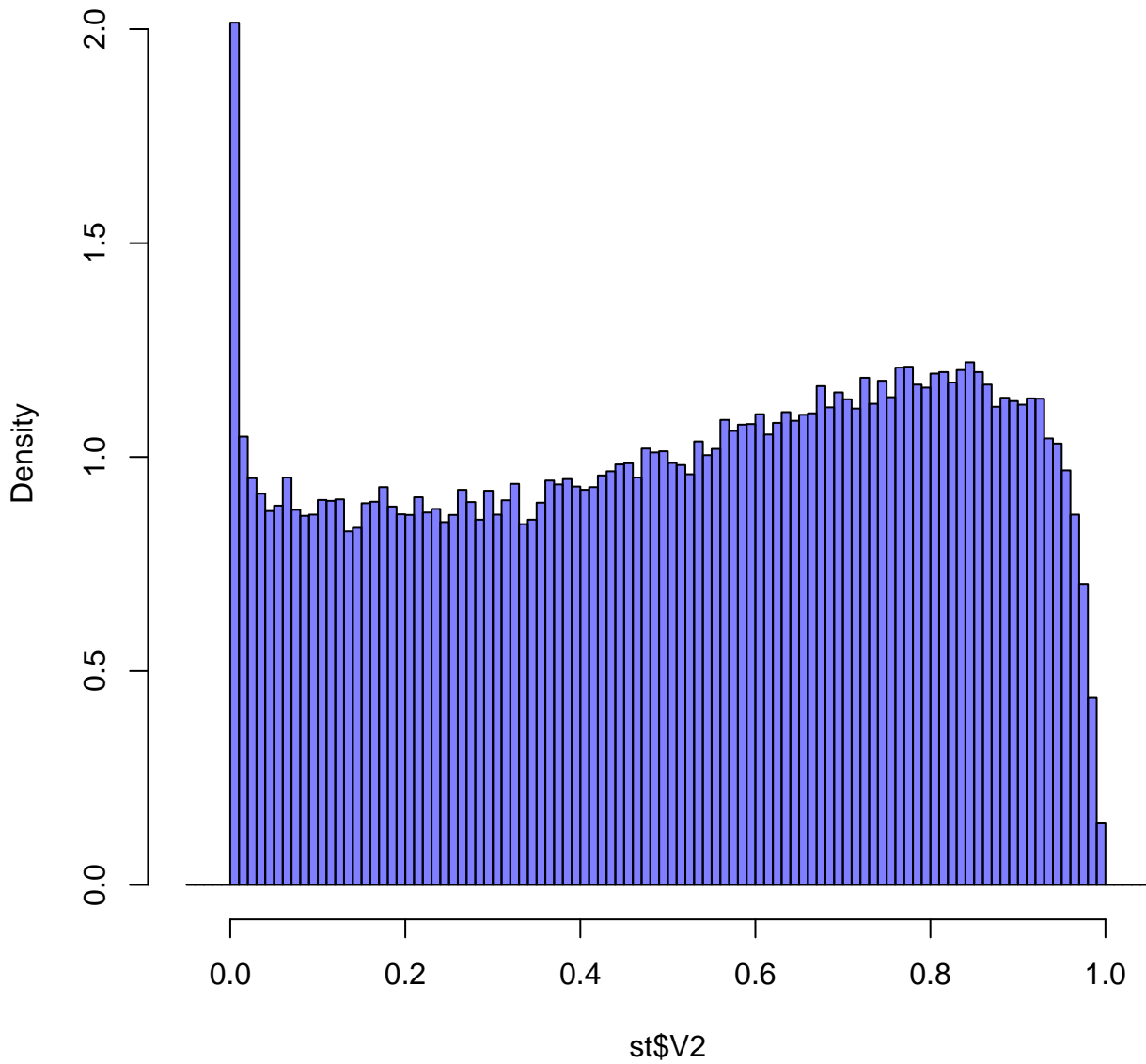
R<PHE>A<CA>



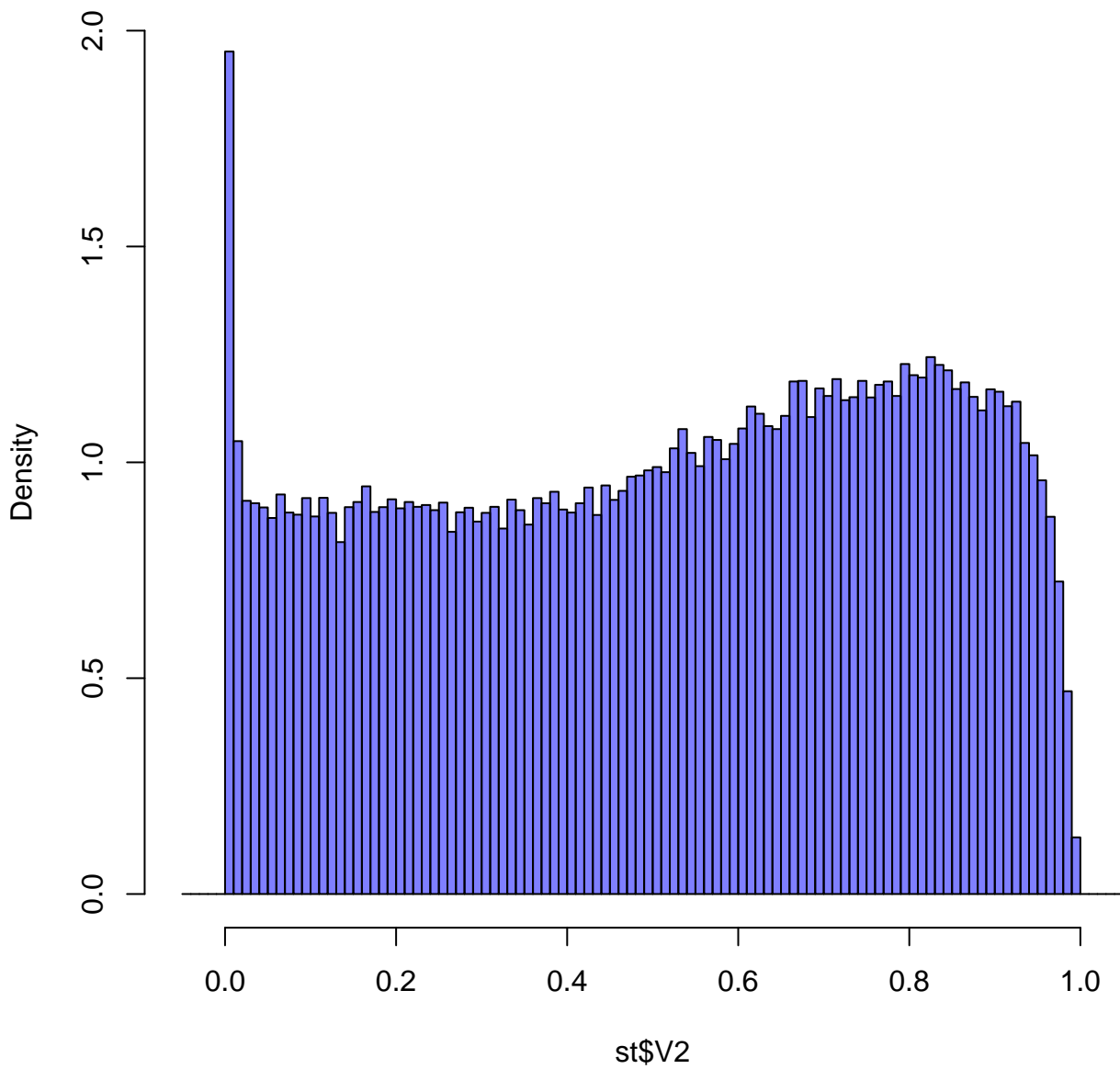
$R\langle PHE \rangle A\langle CB \rangle$



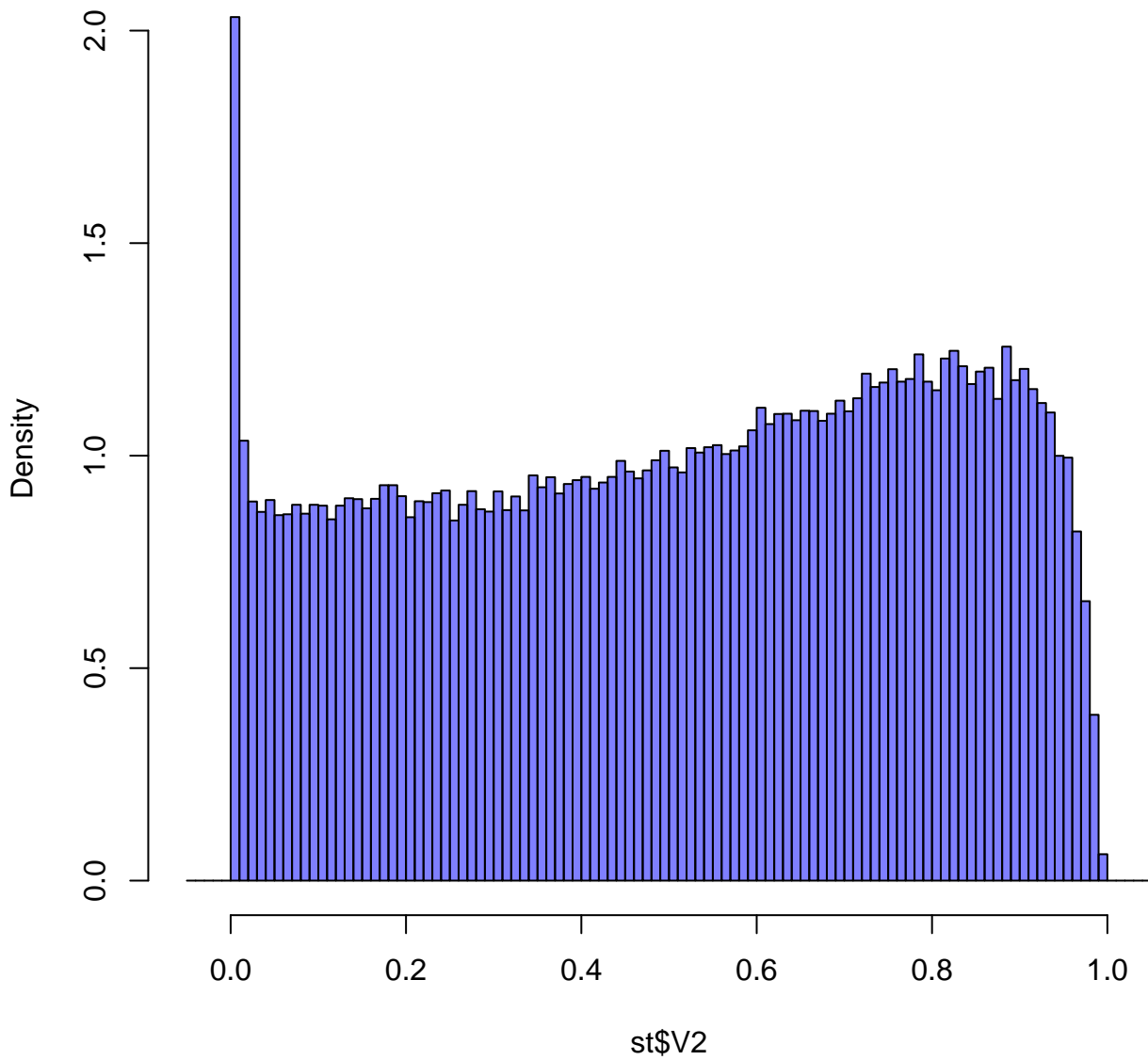
R<PHE>A<CD1>



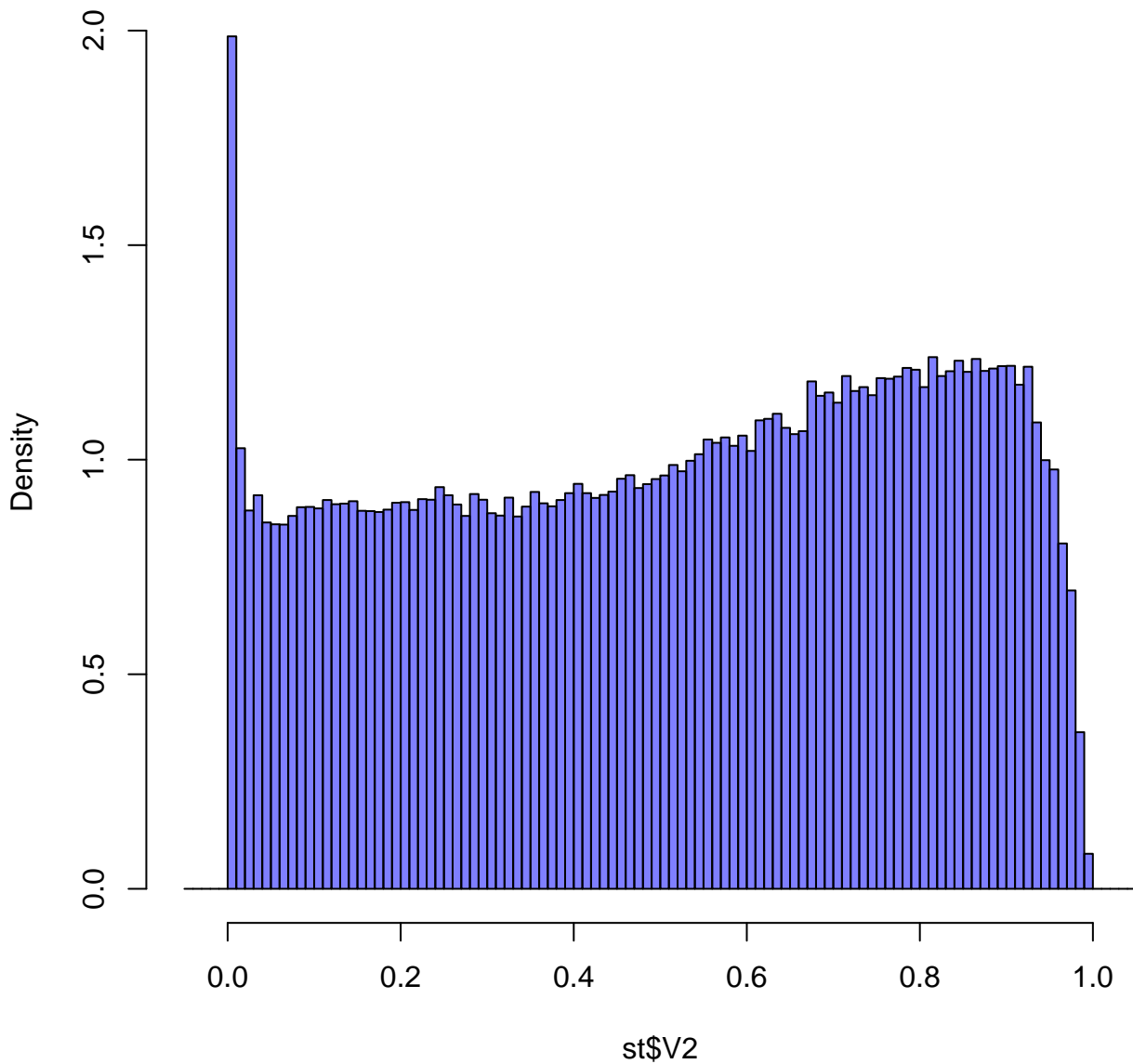
R<PHE>A<CD2>



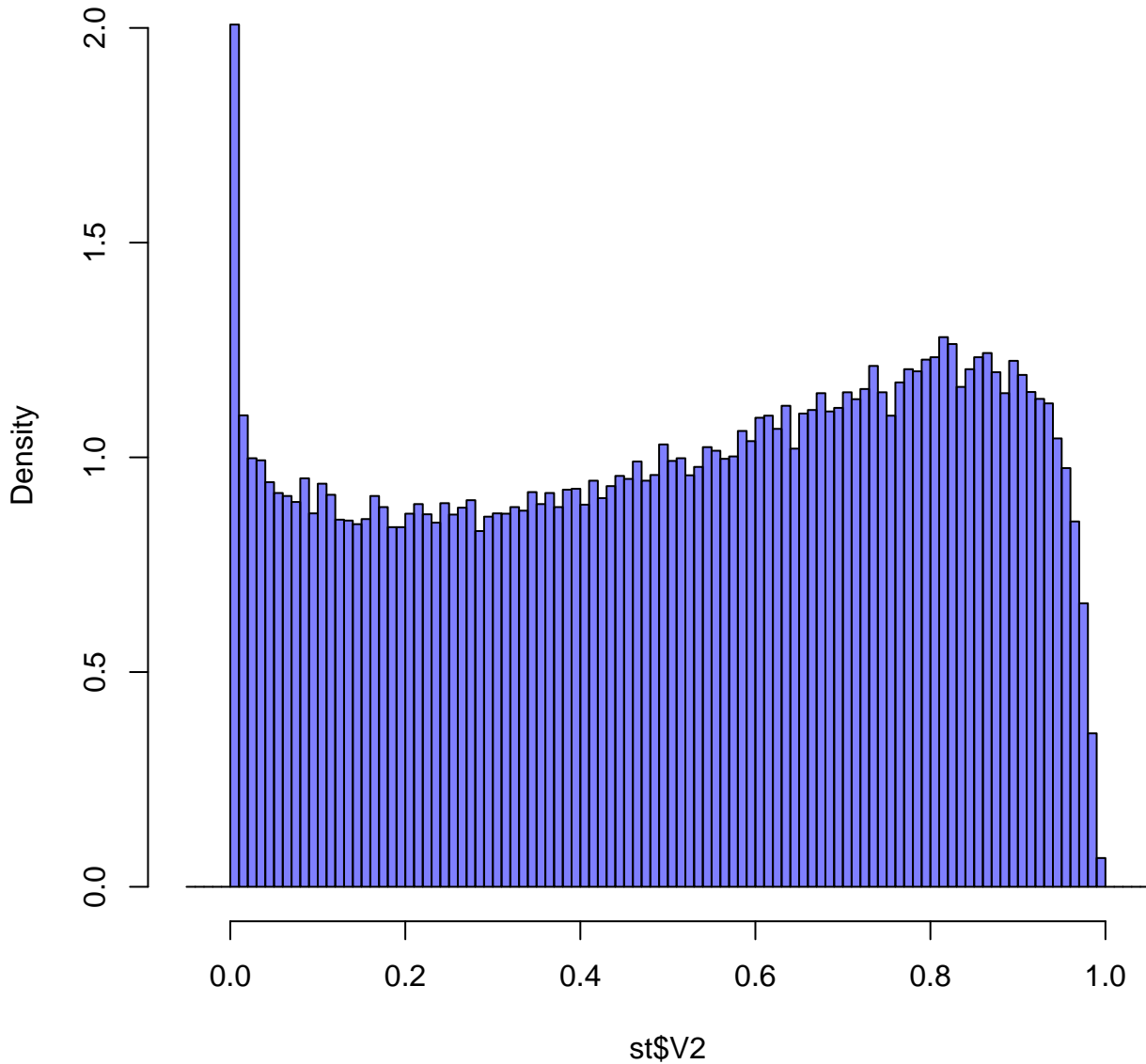
R<PHE>A<CE1>



R<PHE>A<CE2>

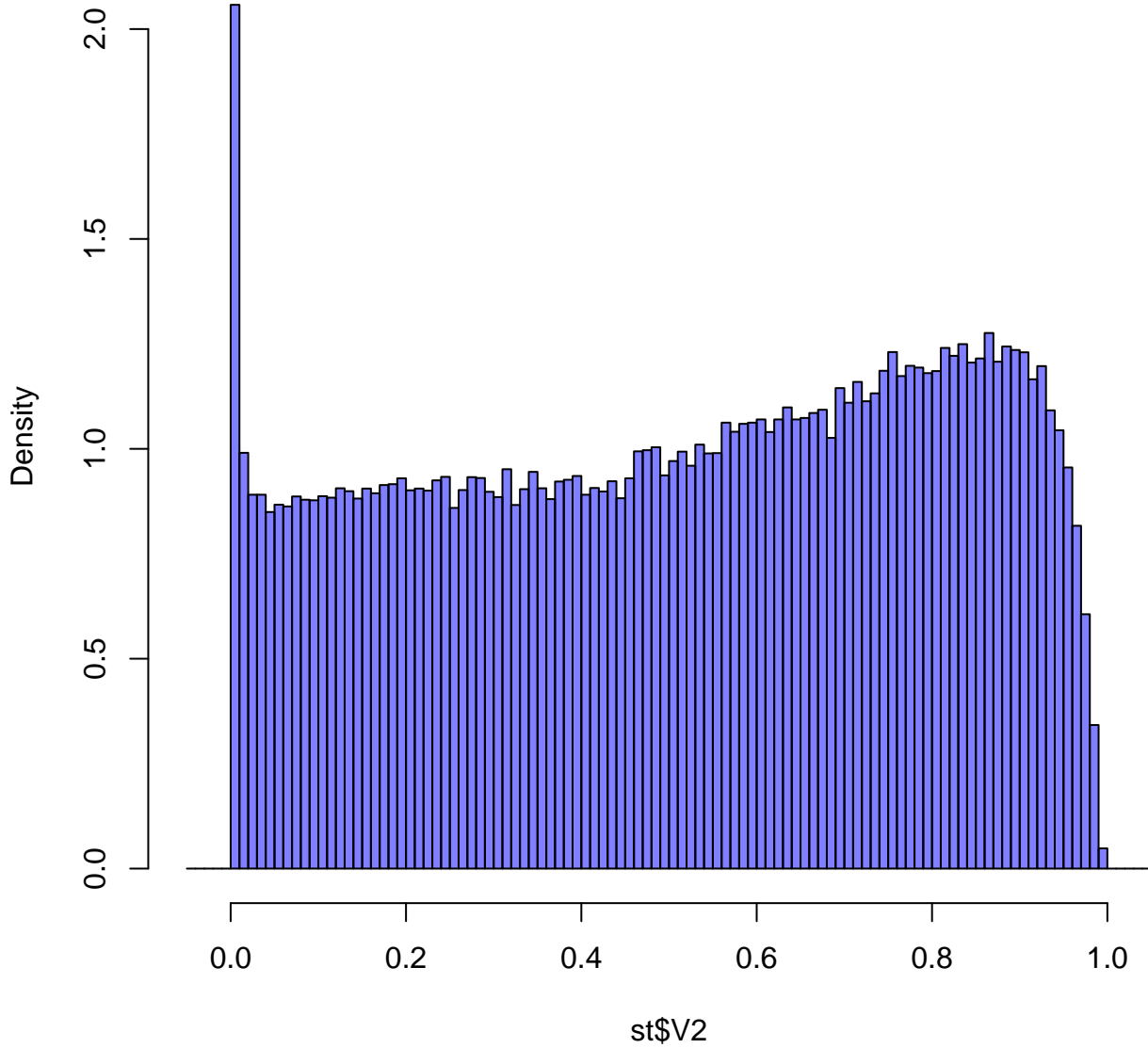


R<PHE>A<CG>

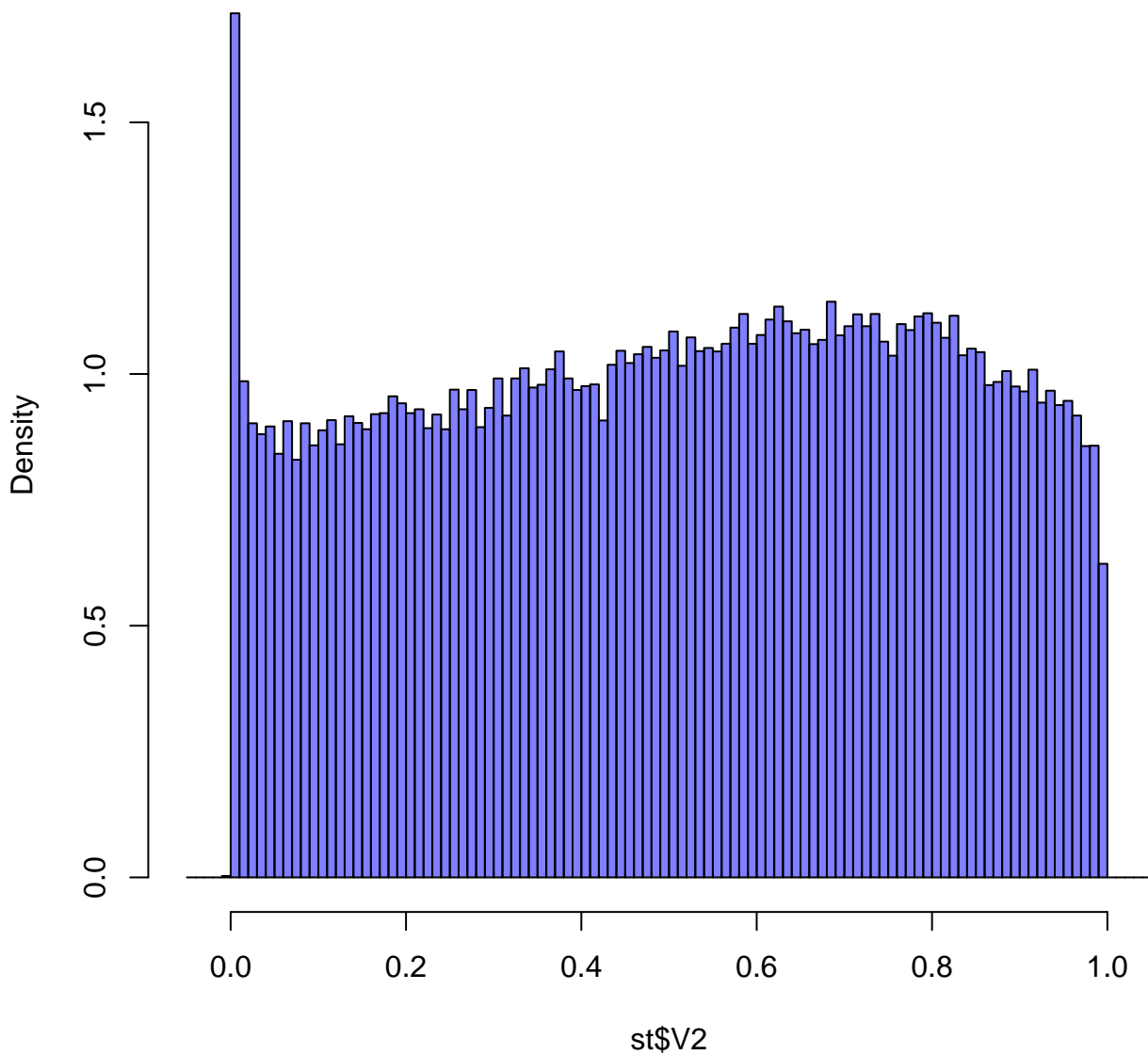




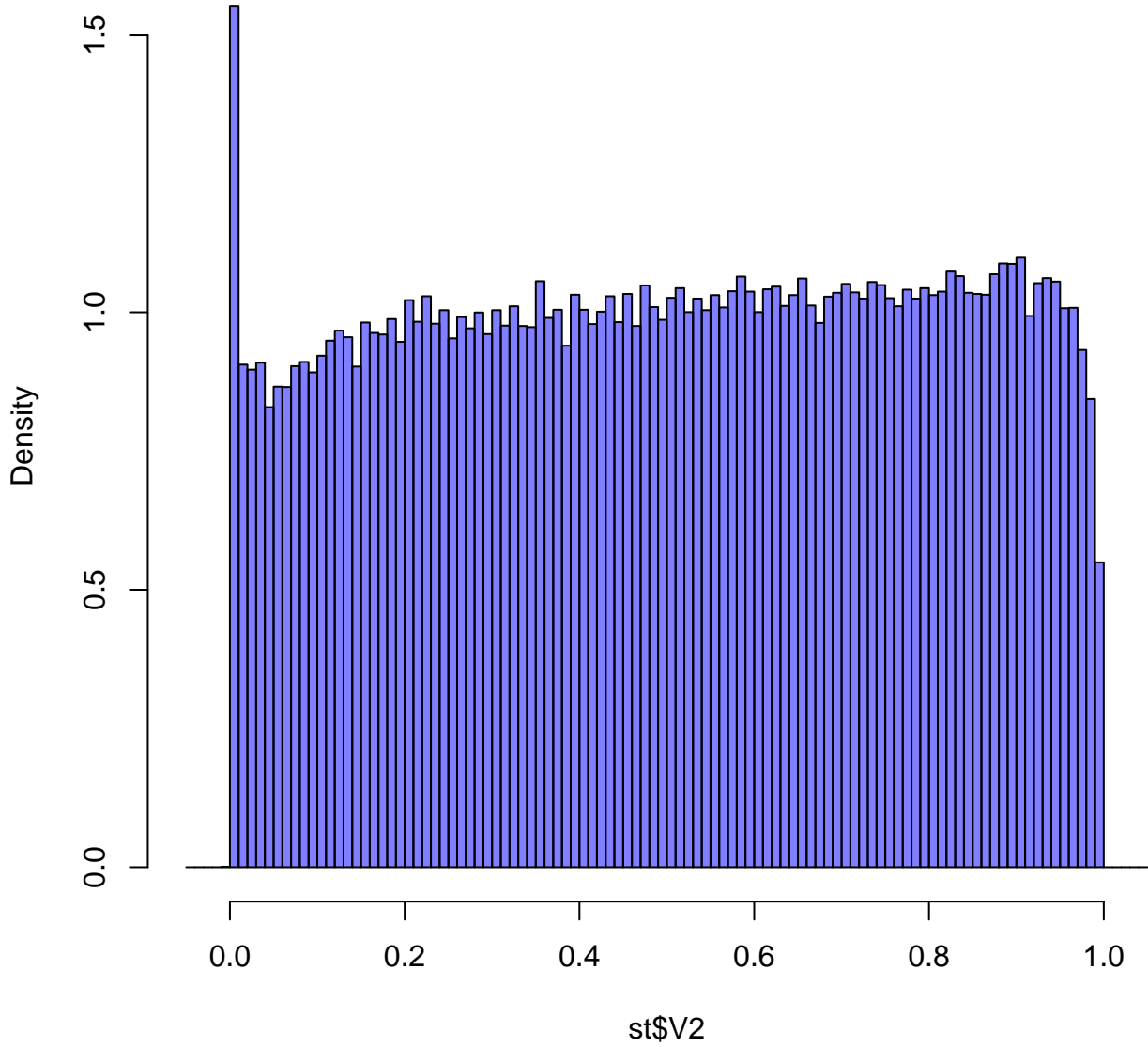
**R<PHE>A<CZ>**



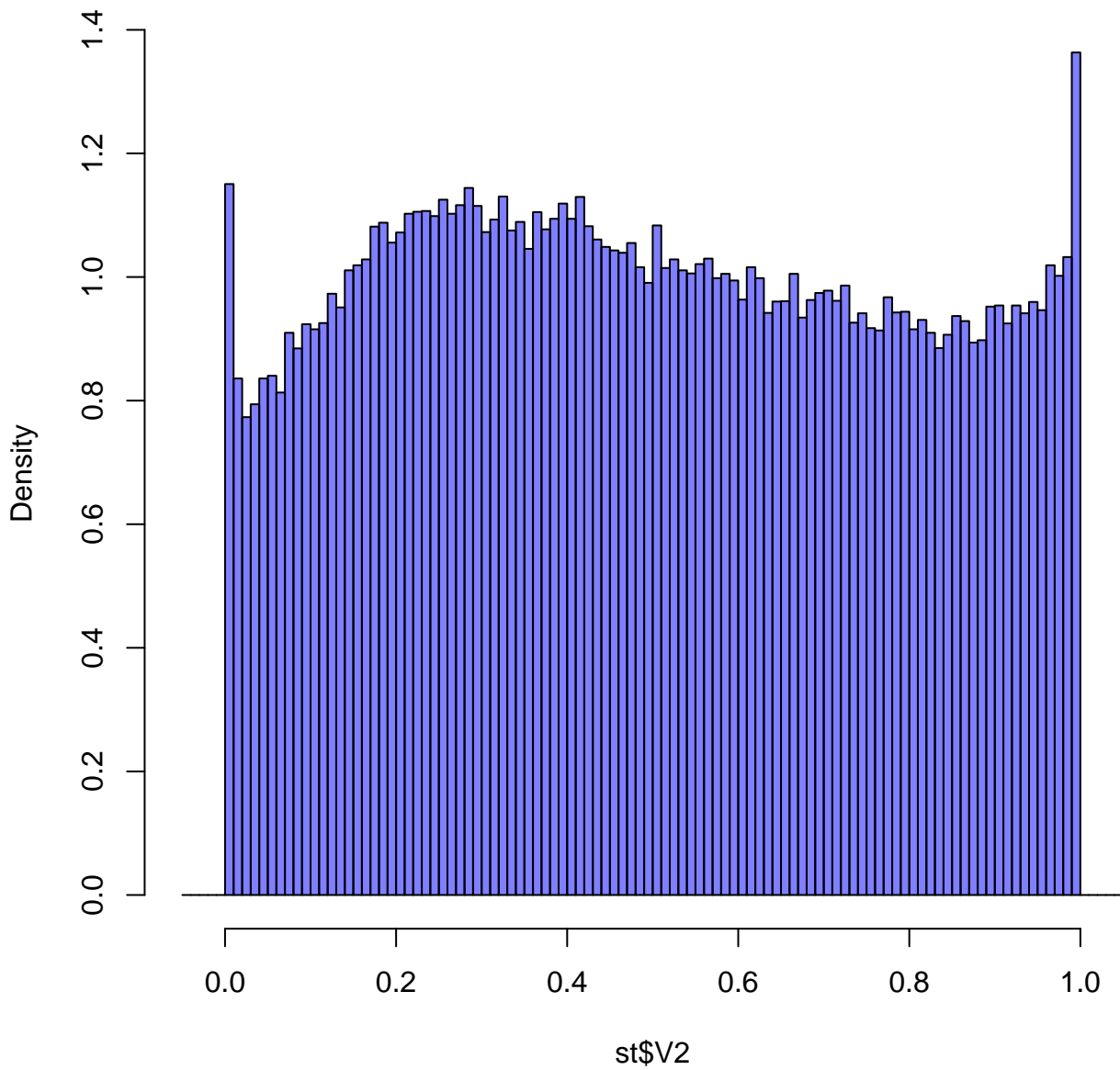
R<PHE>A<N>



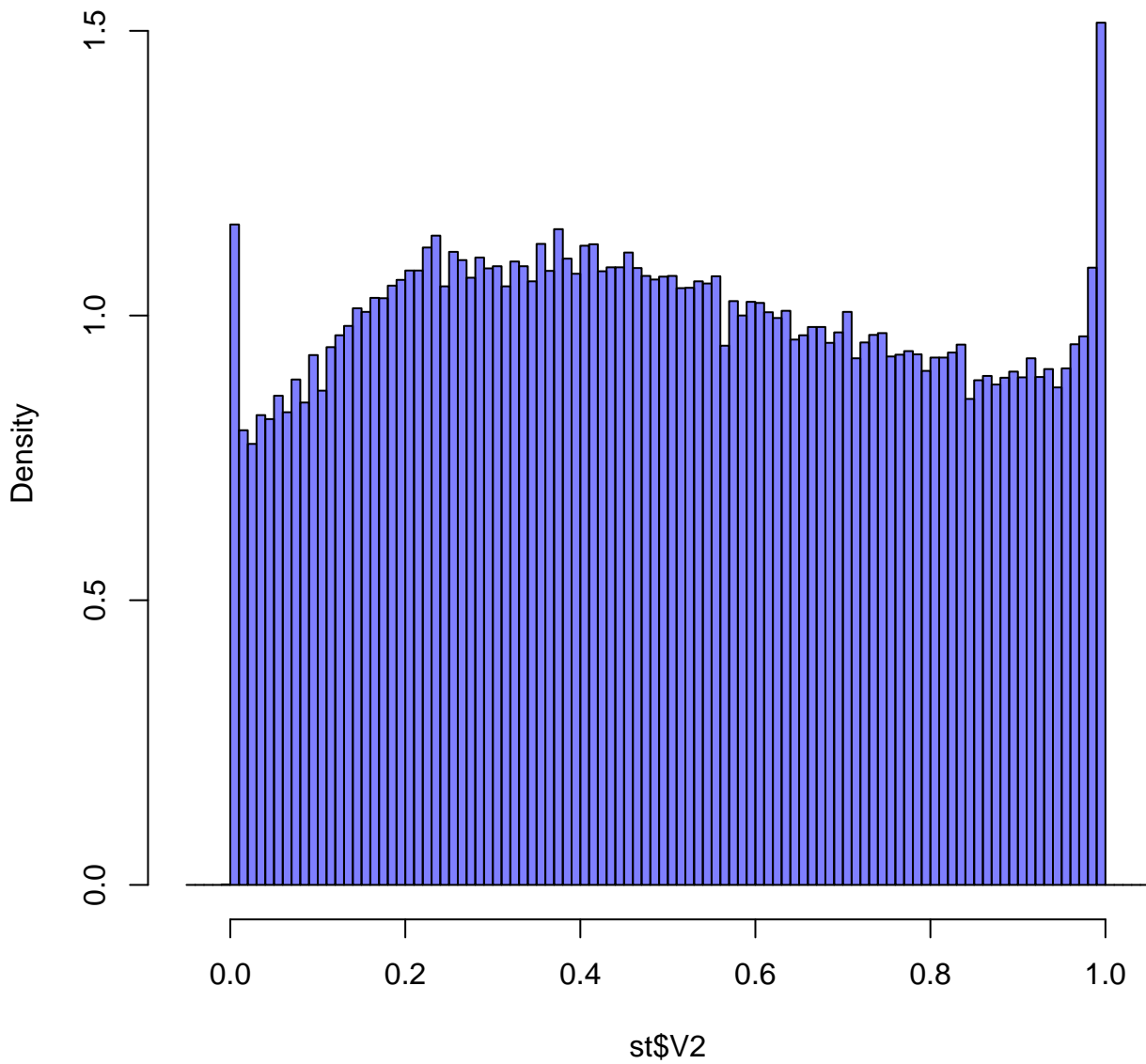
R<PHE>A<O>



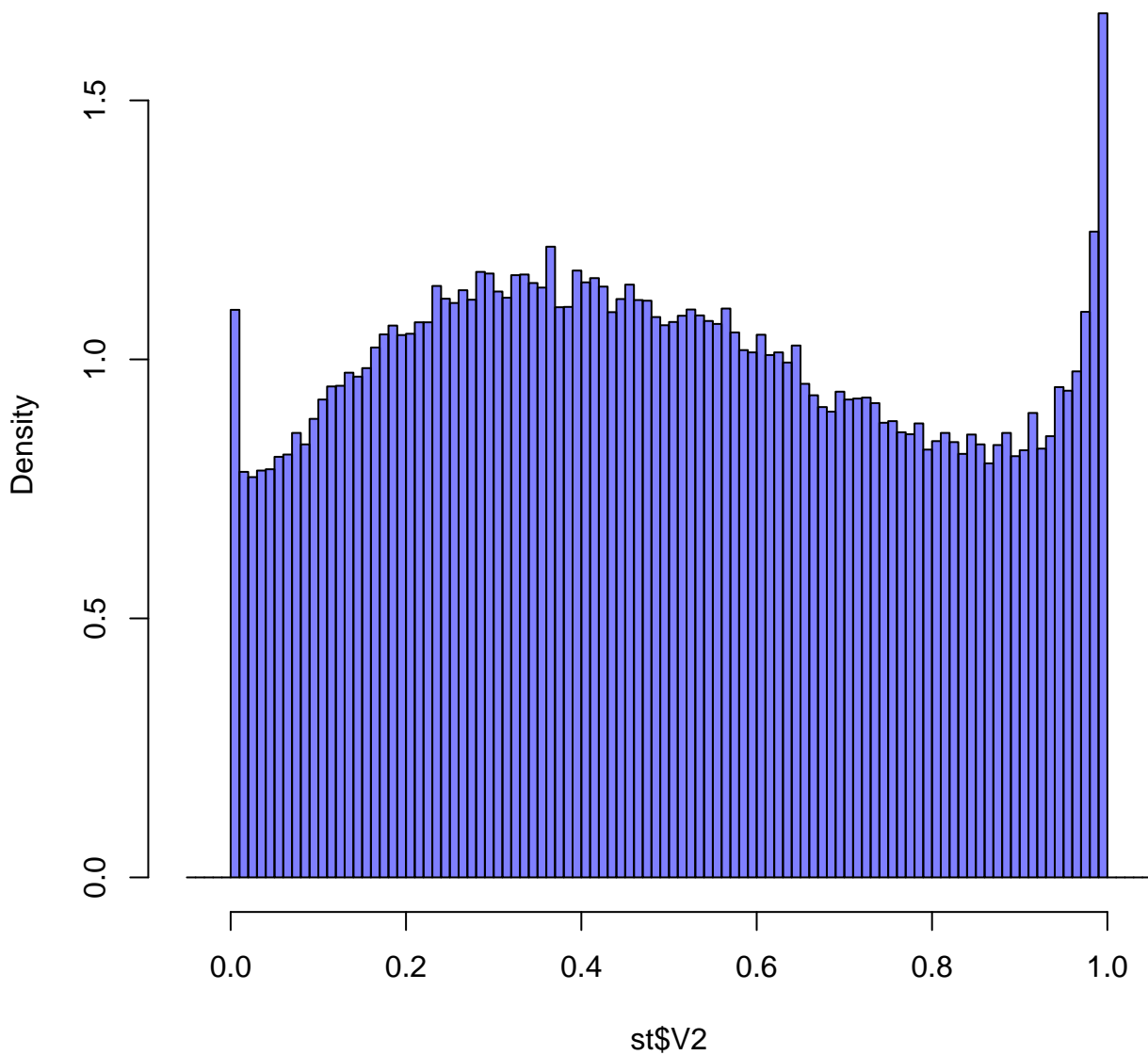
R<PRO>A<C>



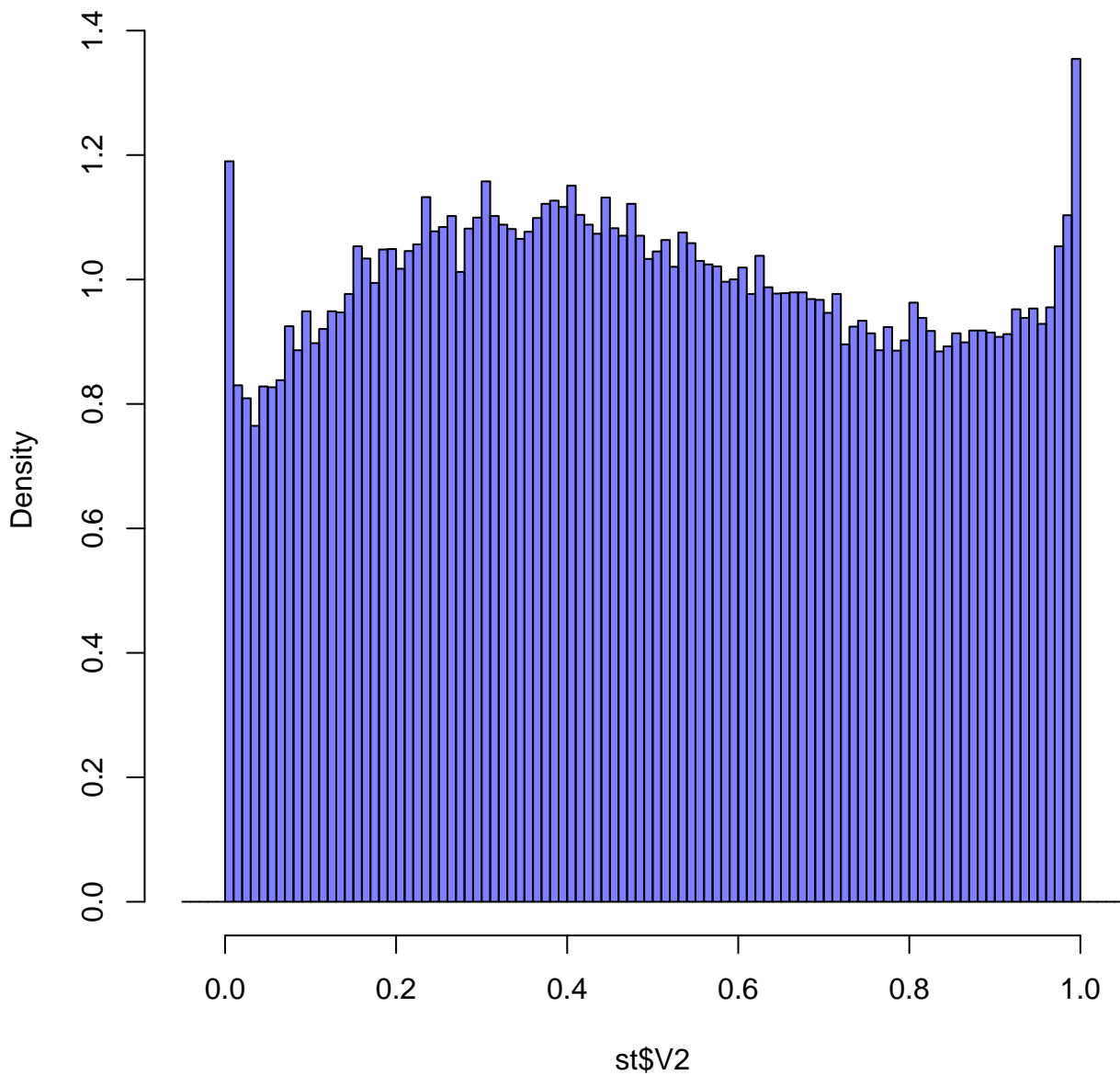
R<PRO>A<CA>



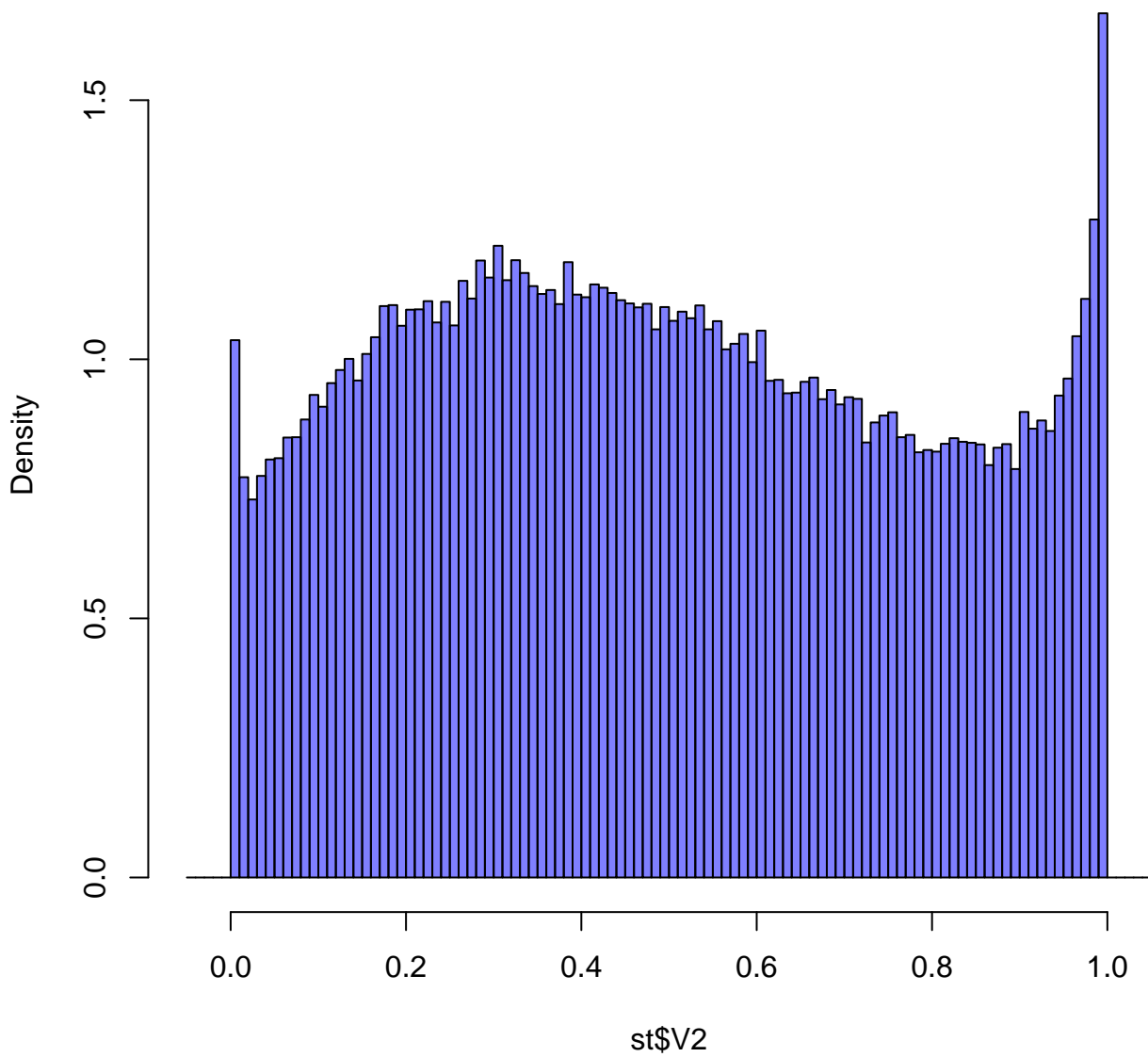
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**R<PRO>A<CD>**

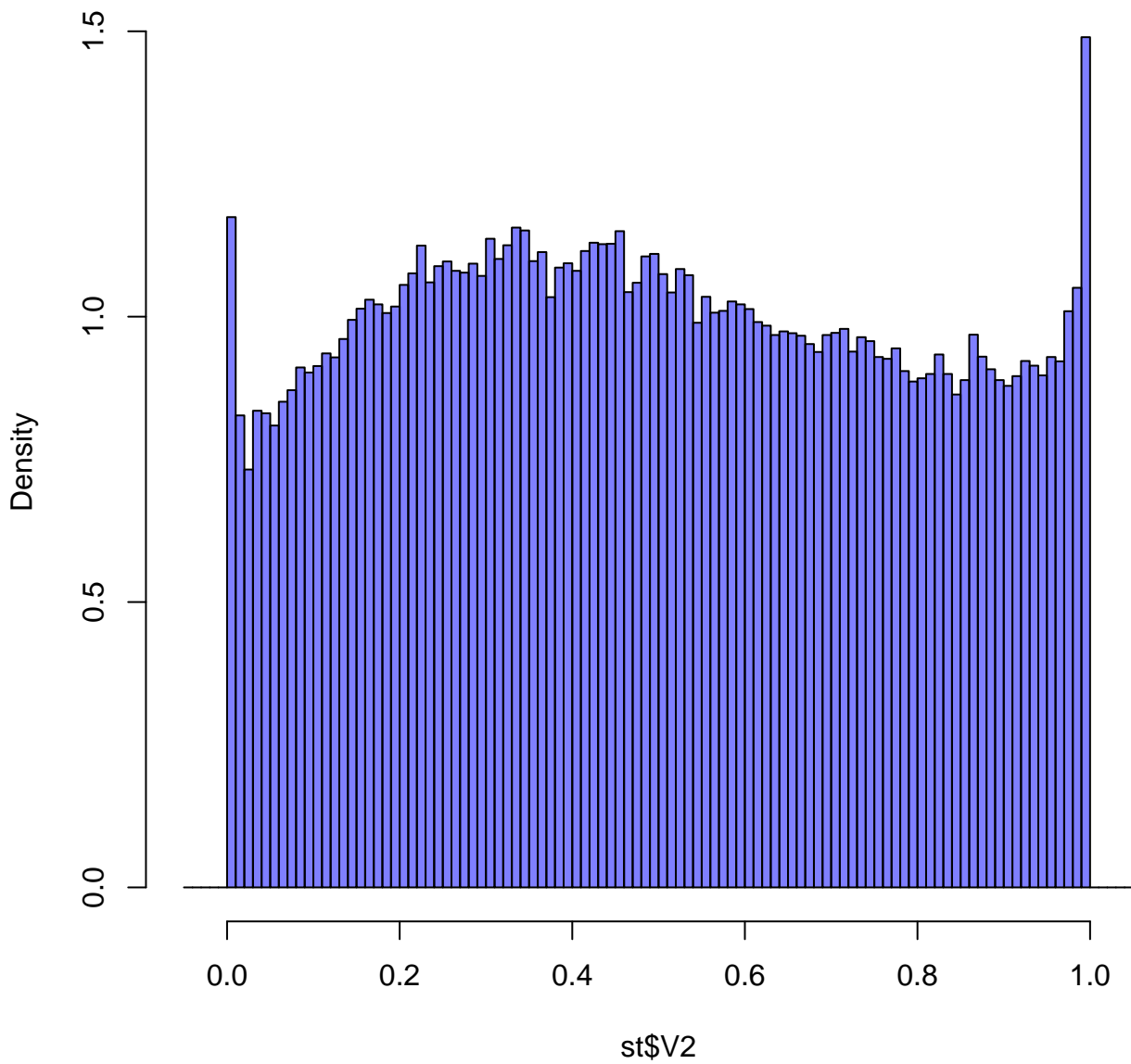


R<PRO>A<CG>

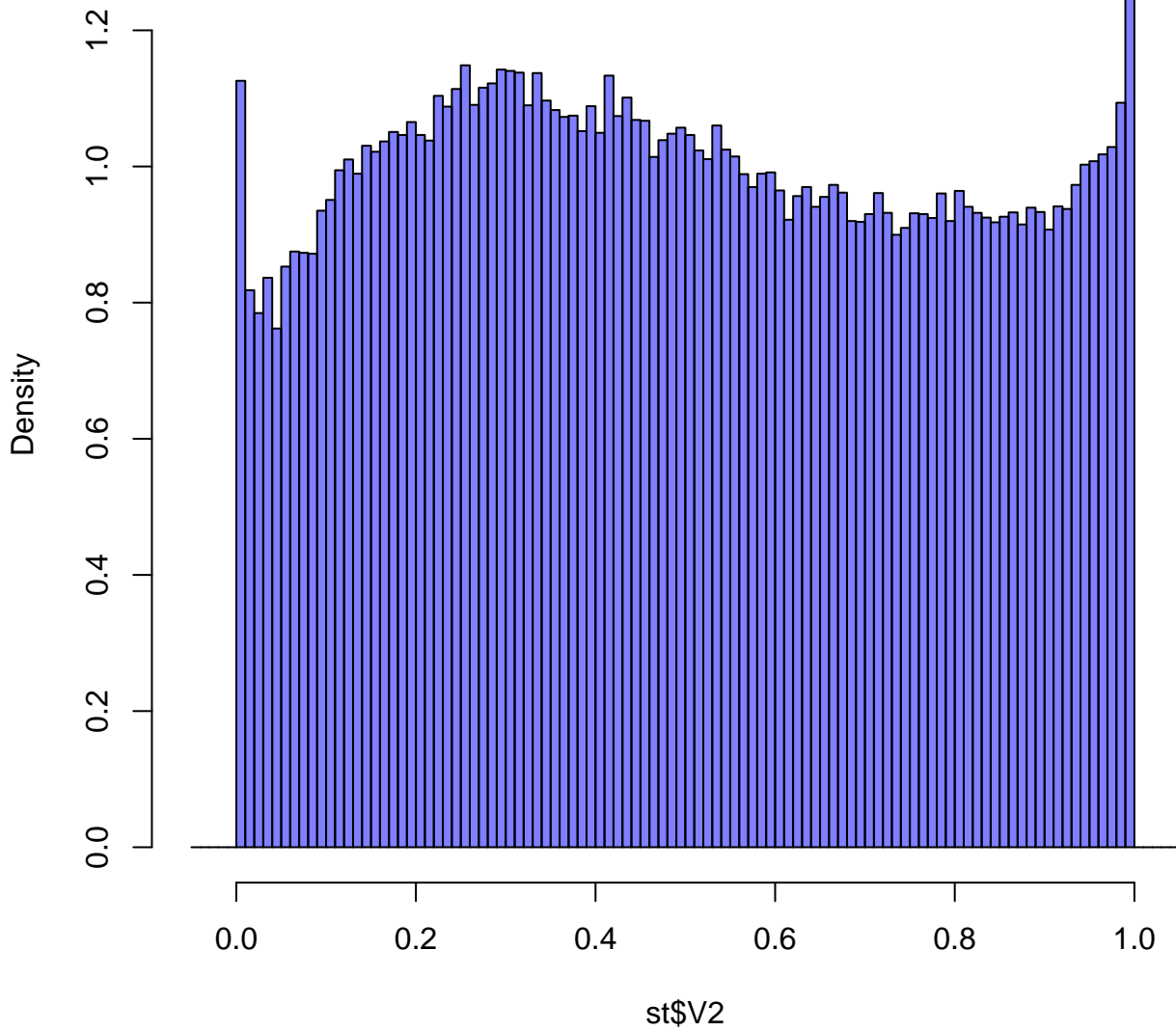




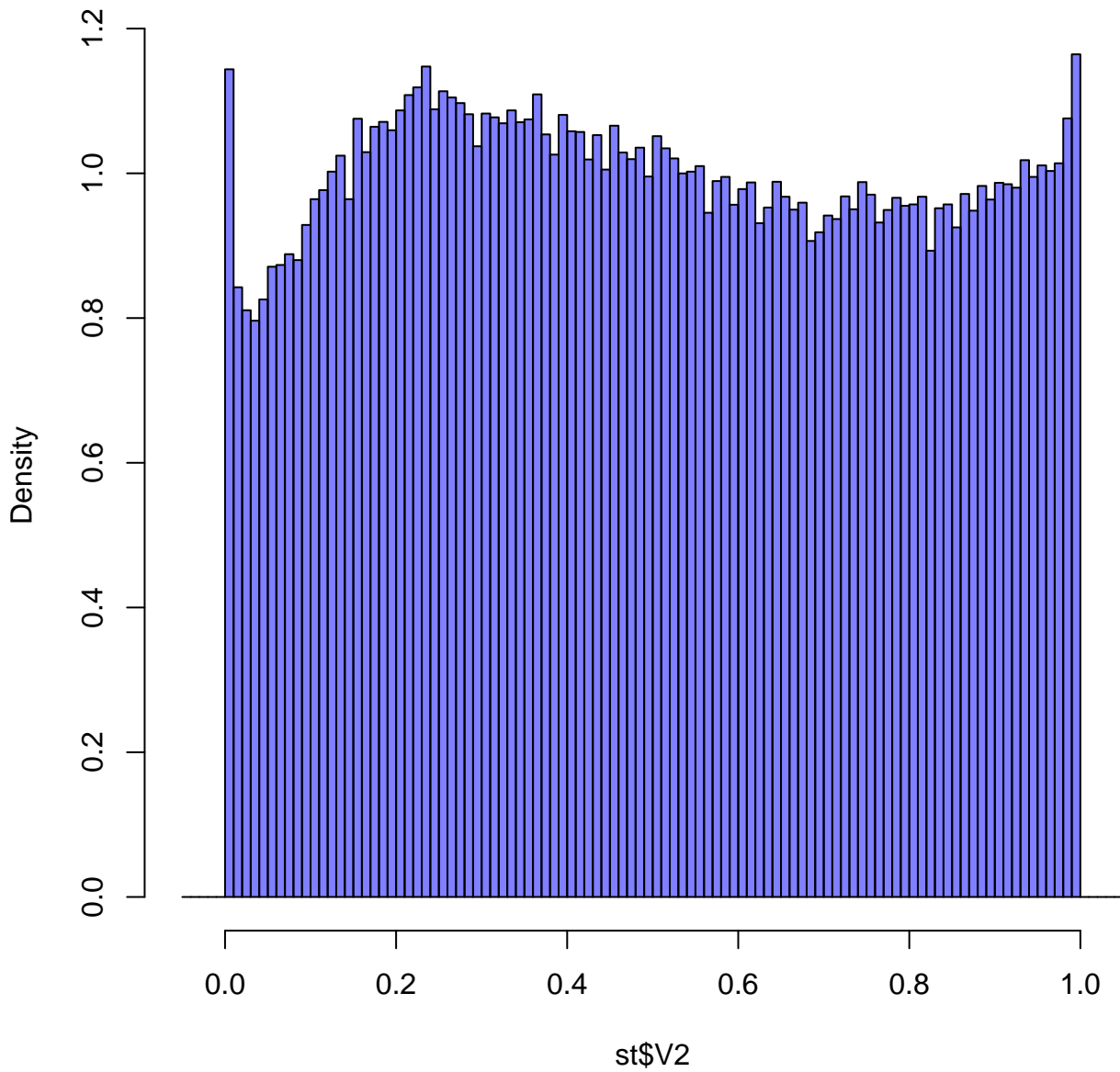
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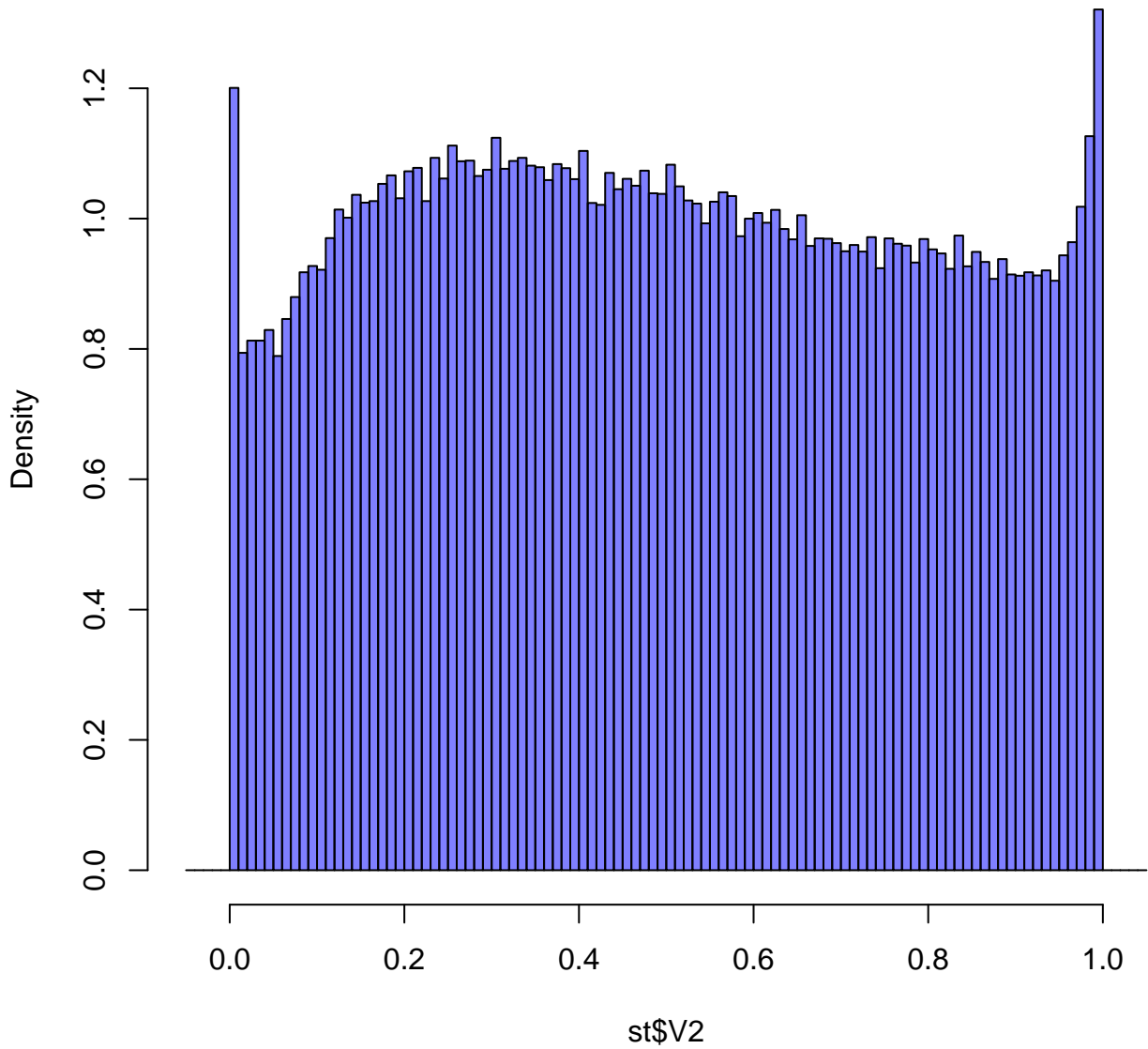
R<PRO>A<O>



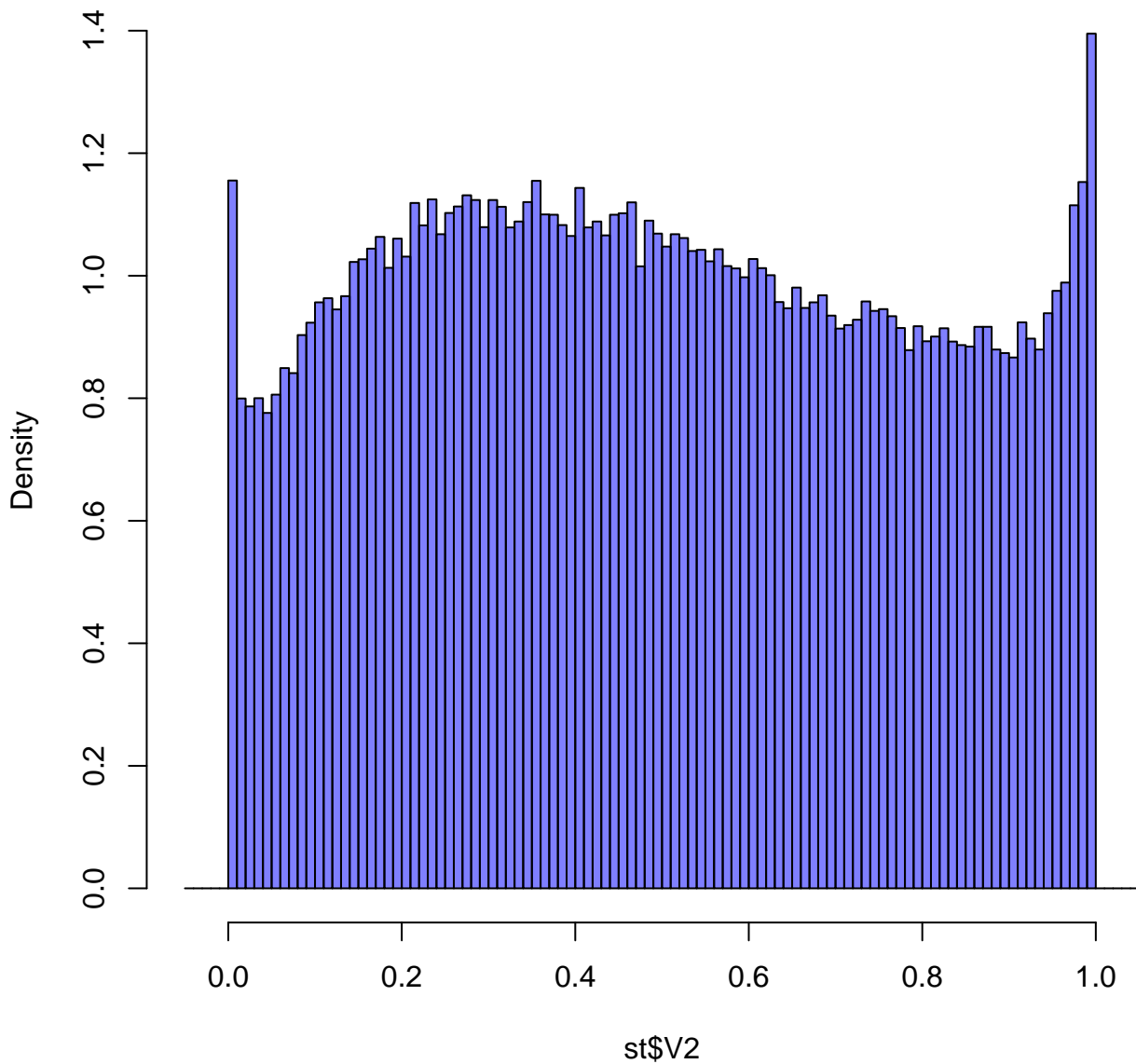
R<SER>A<C>



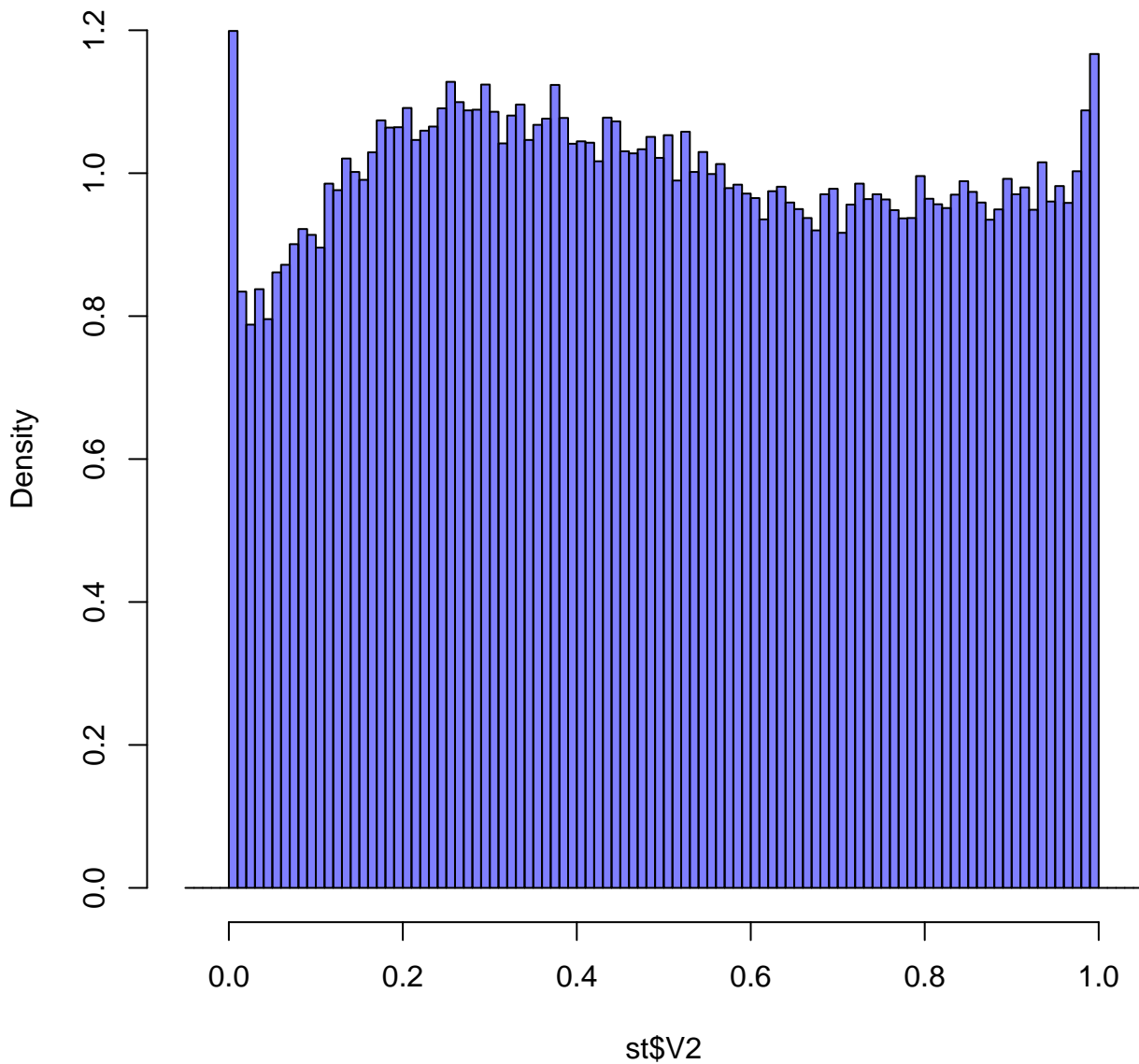
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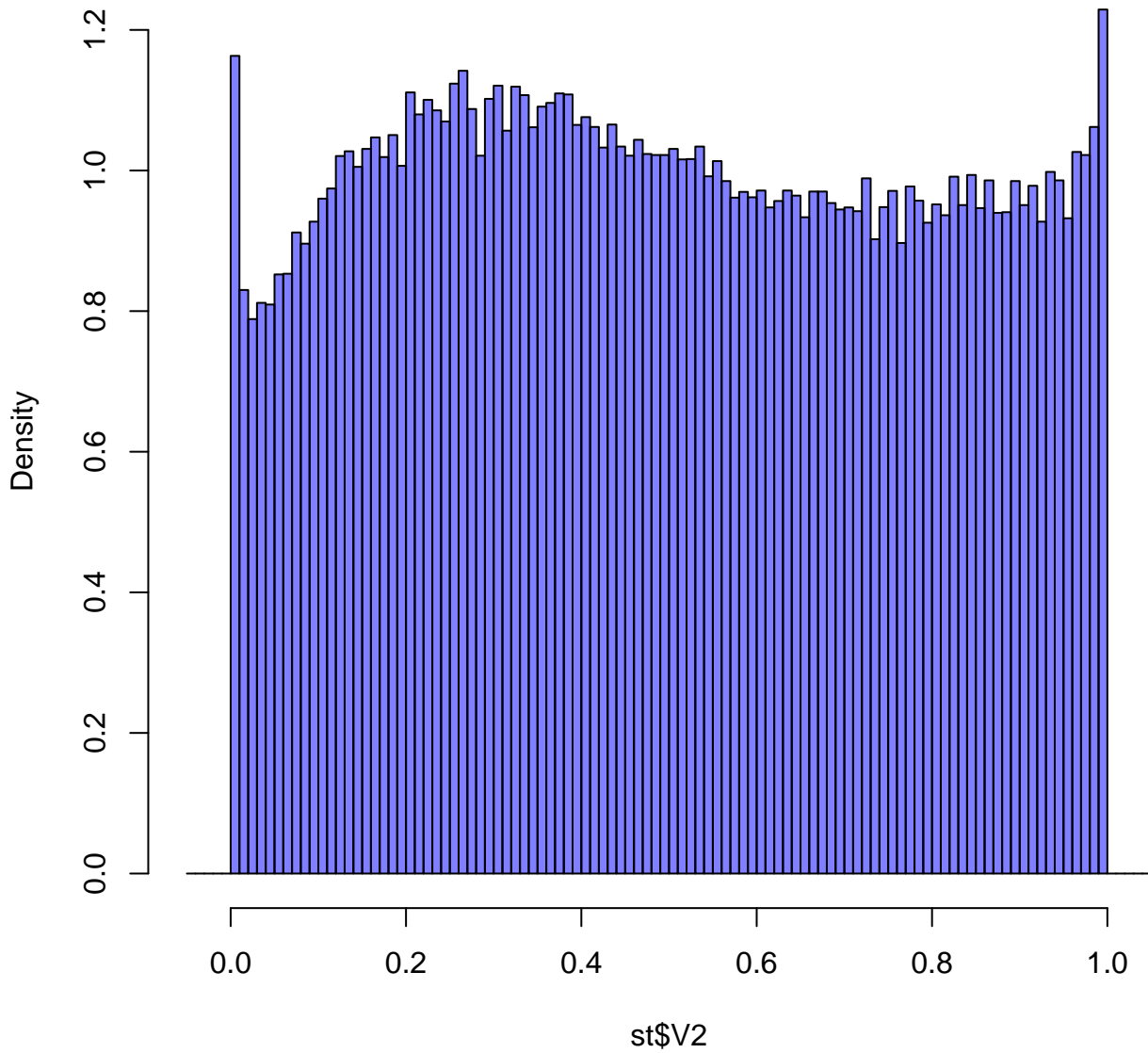
**R<SER>A<CB>**



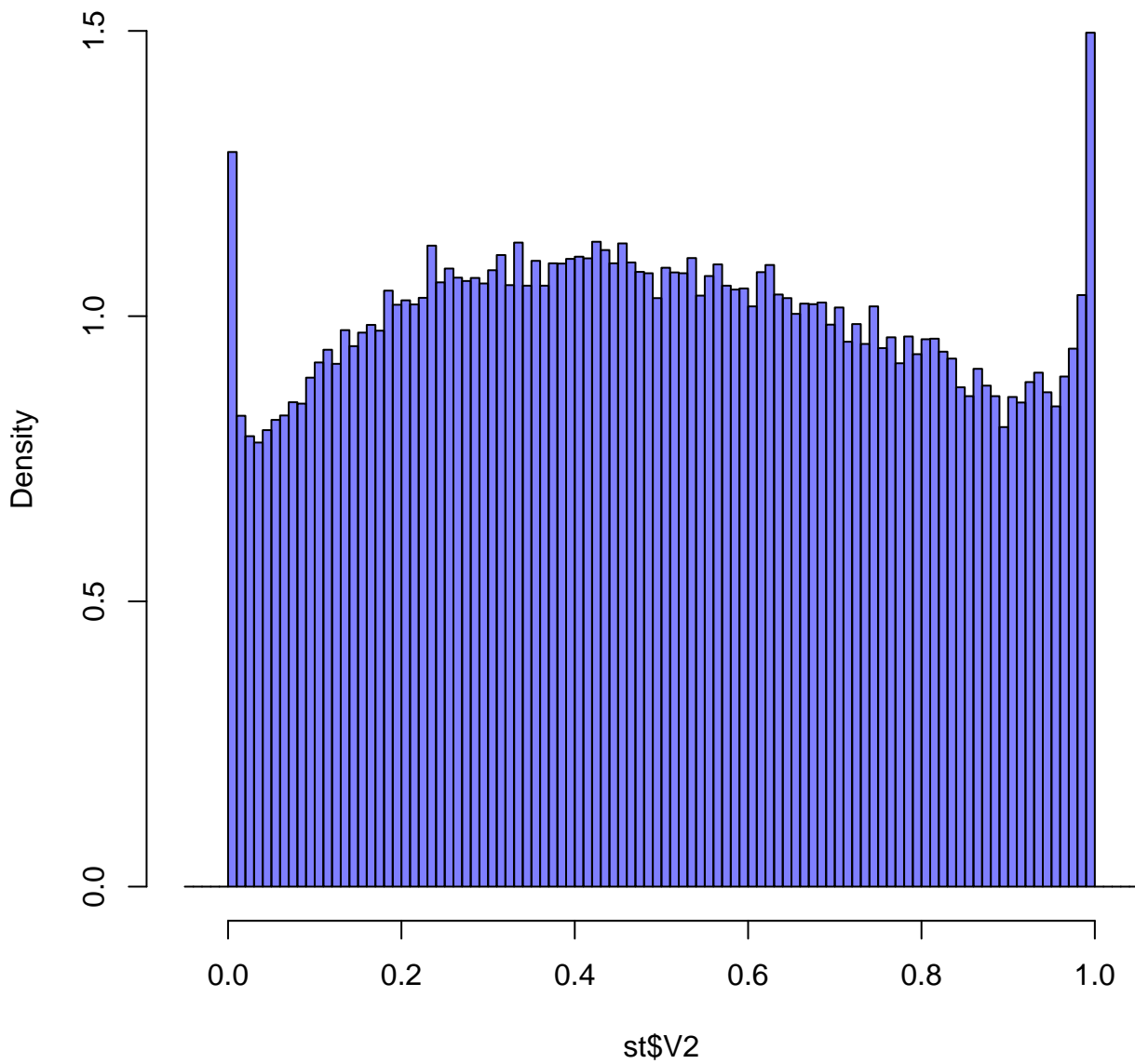
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R<SER>A<O>

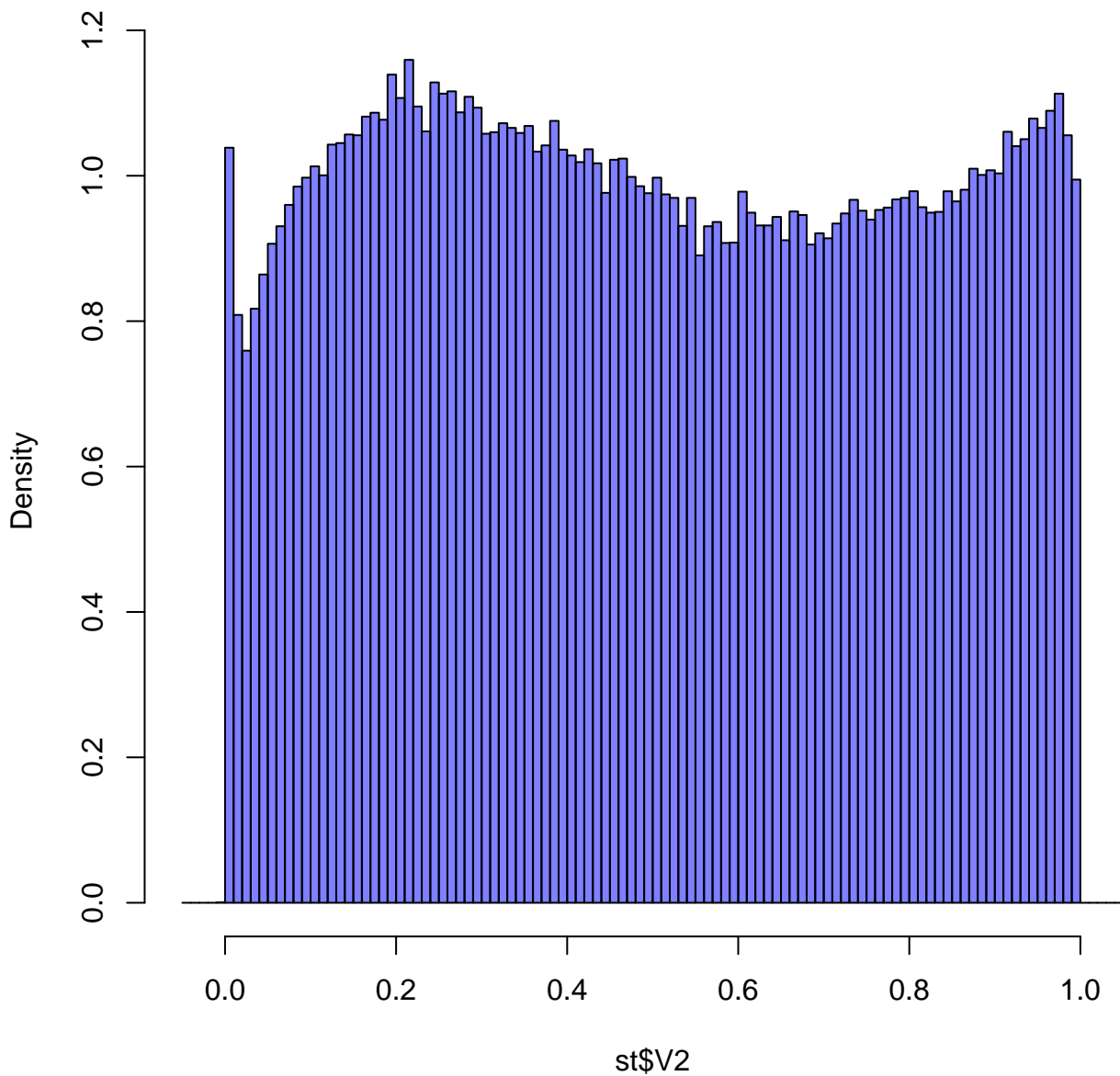


R<SER>A<OG>

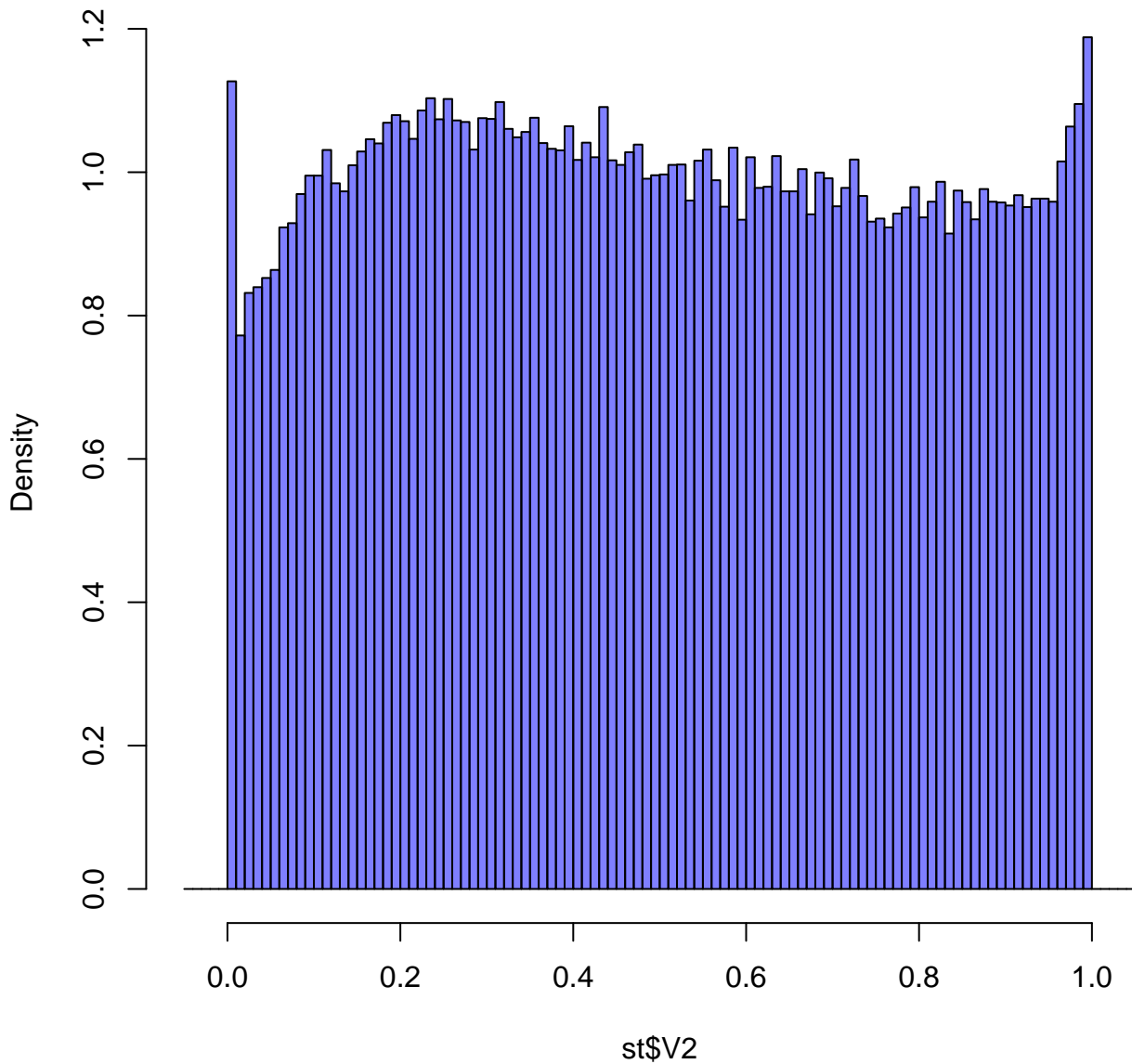




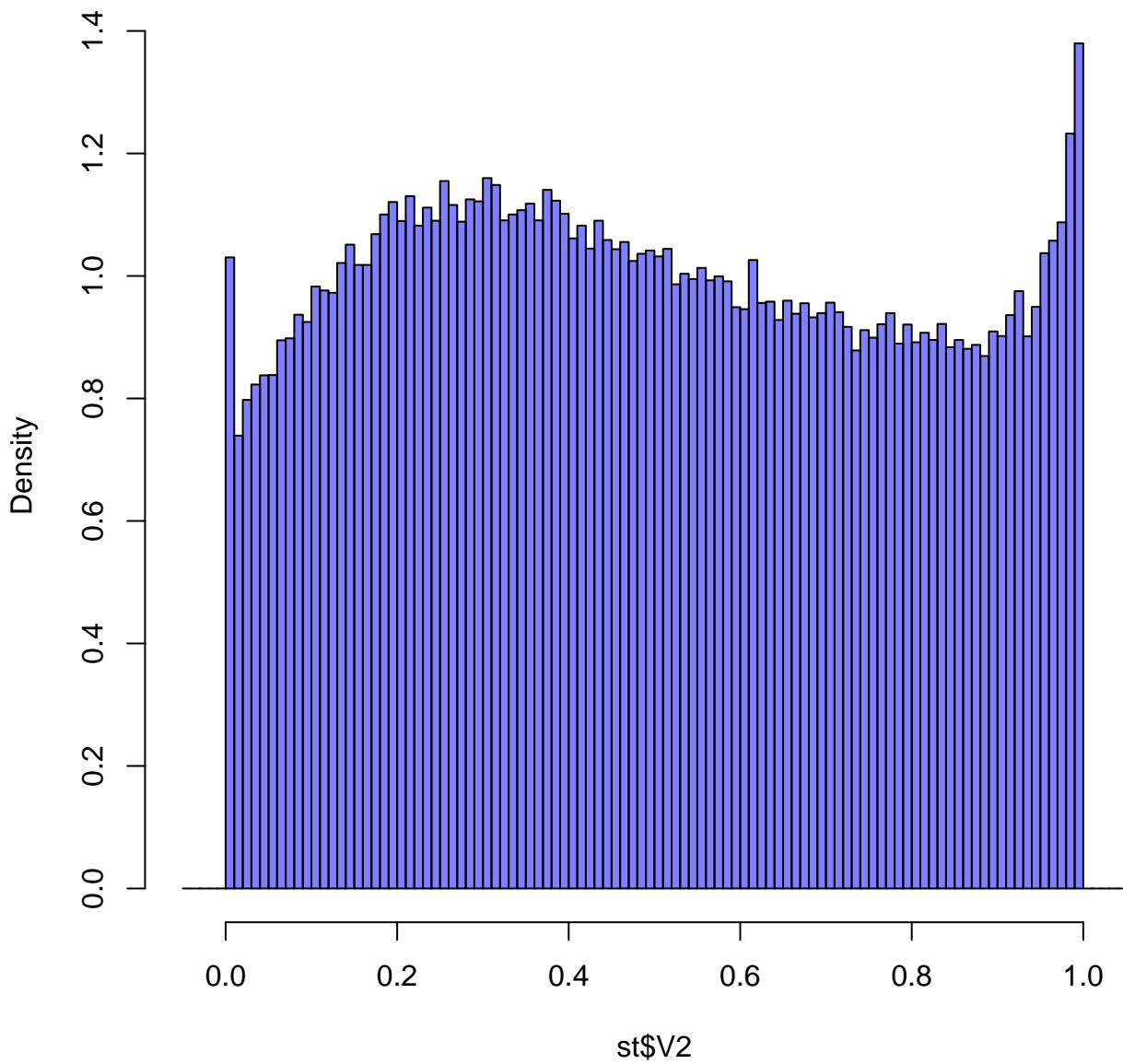
R<THR>A<C>



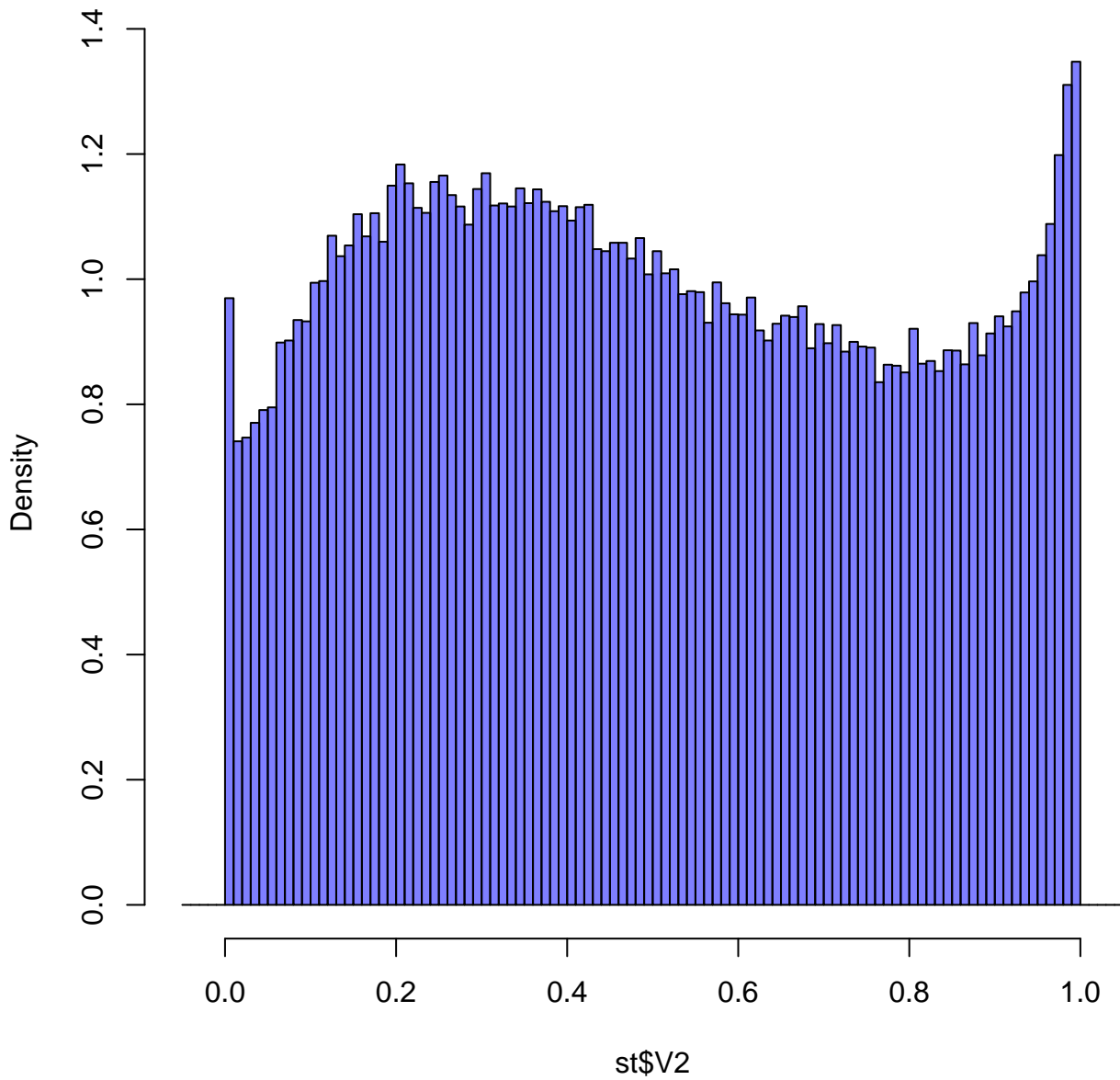
R<THR>A<CA>



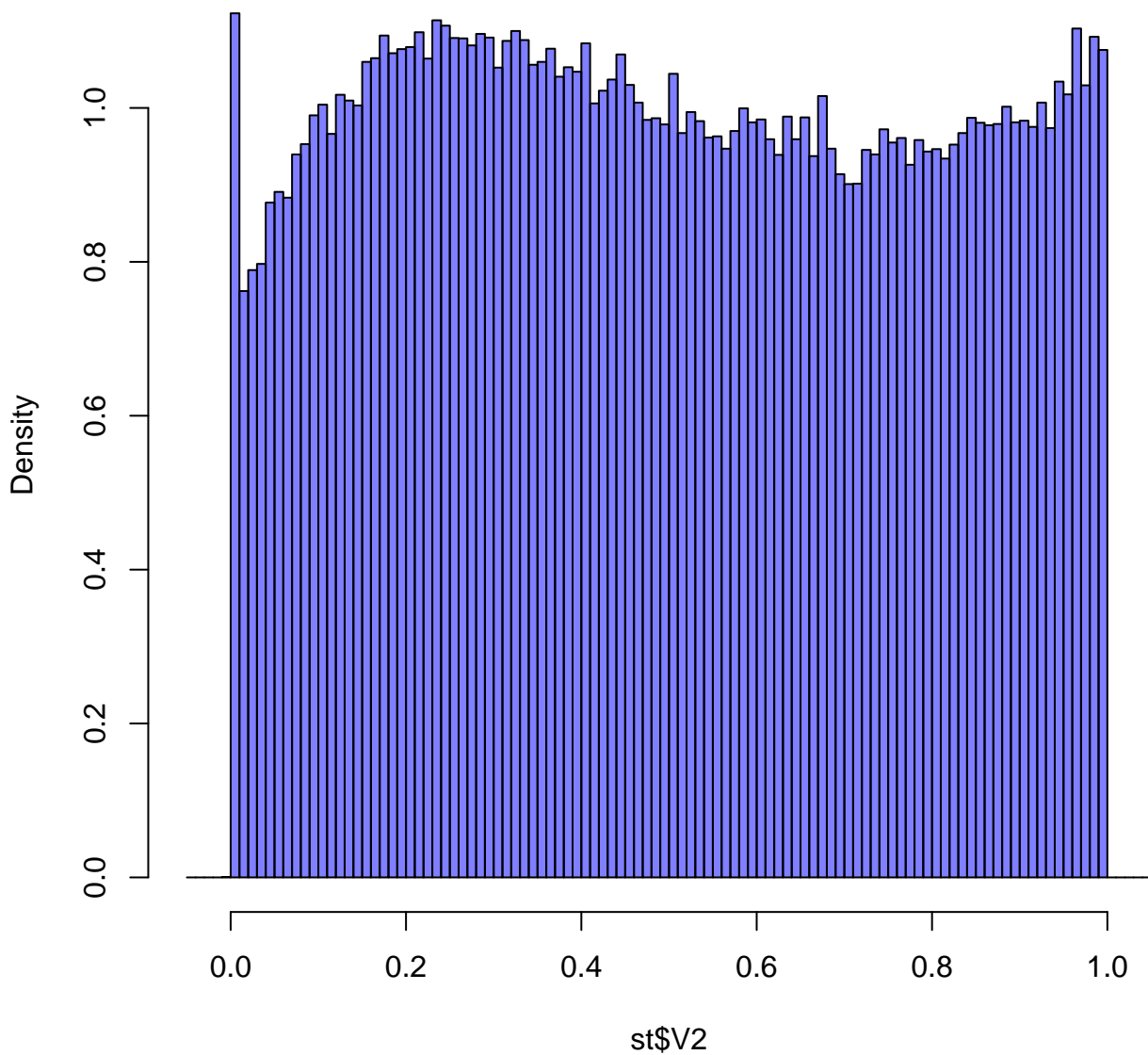
$R < \text{THR} > A < \text{CB} >$



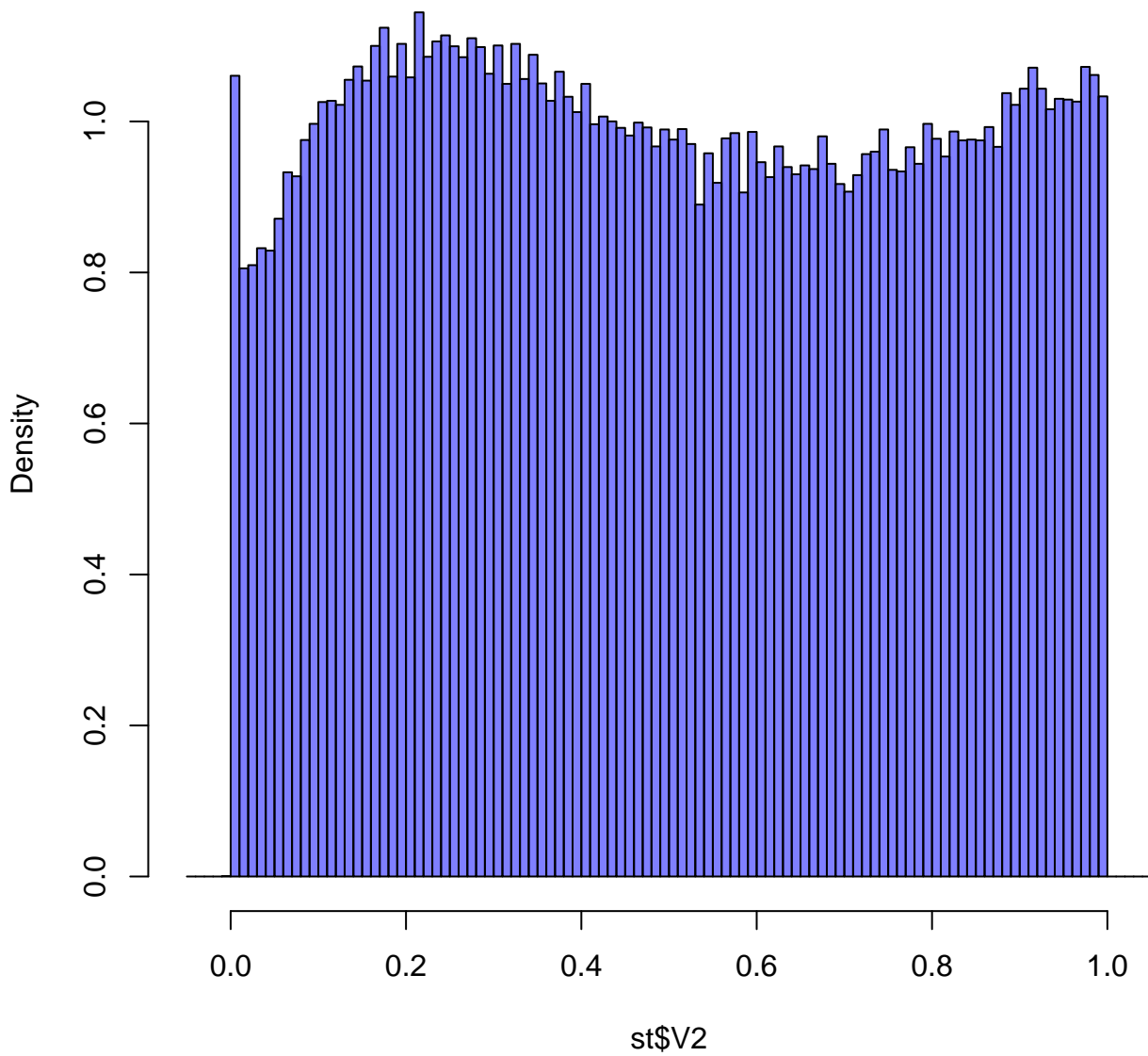
R<THR>A<CG2>



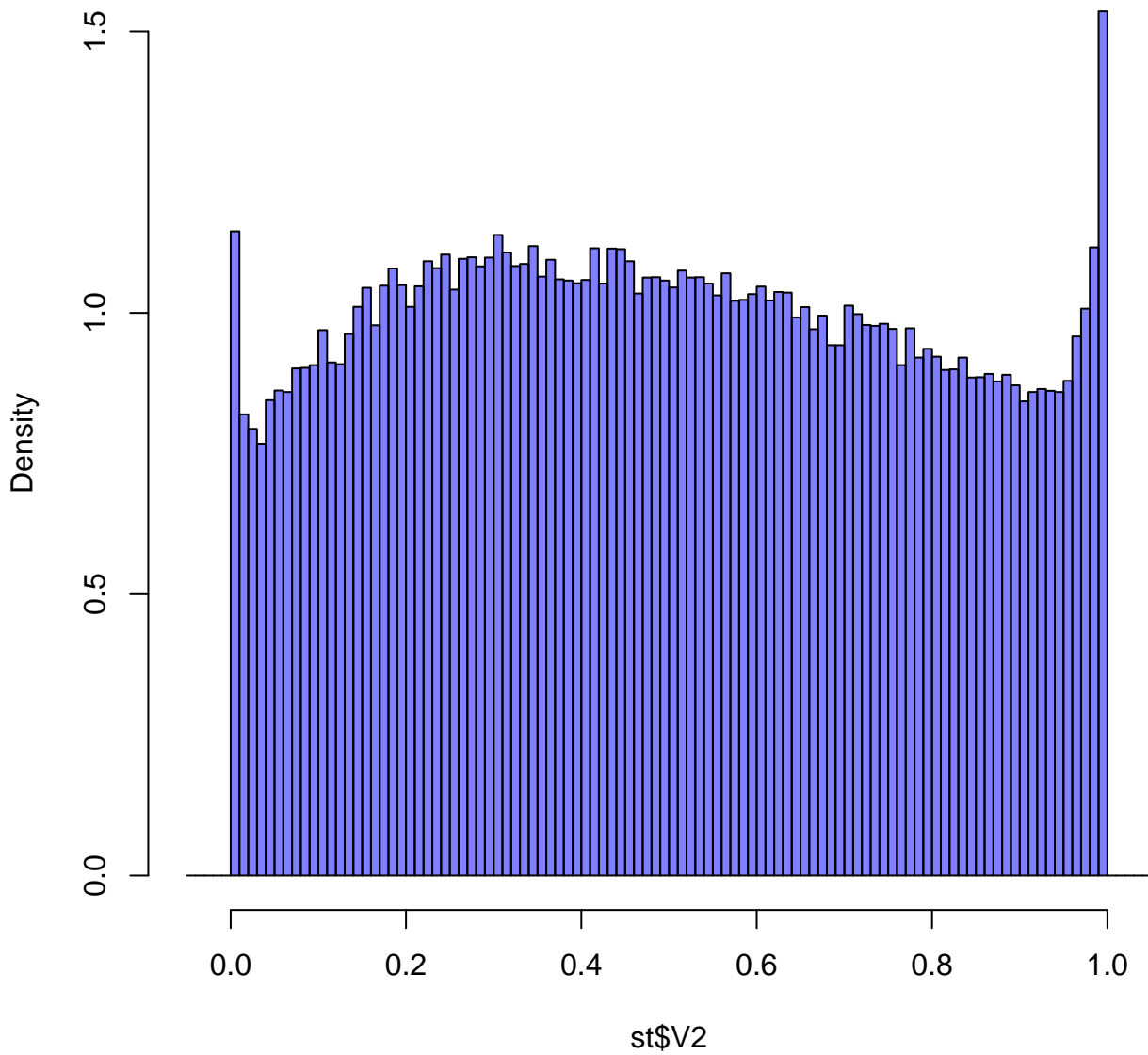
R<THR>A<N>



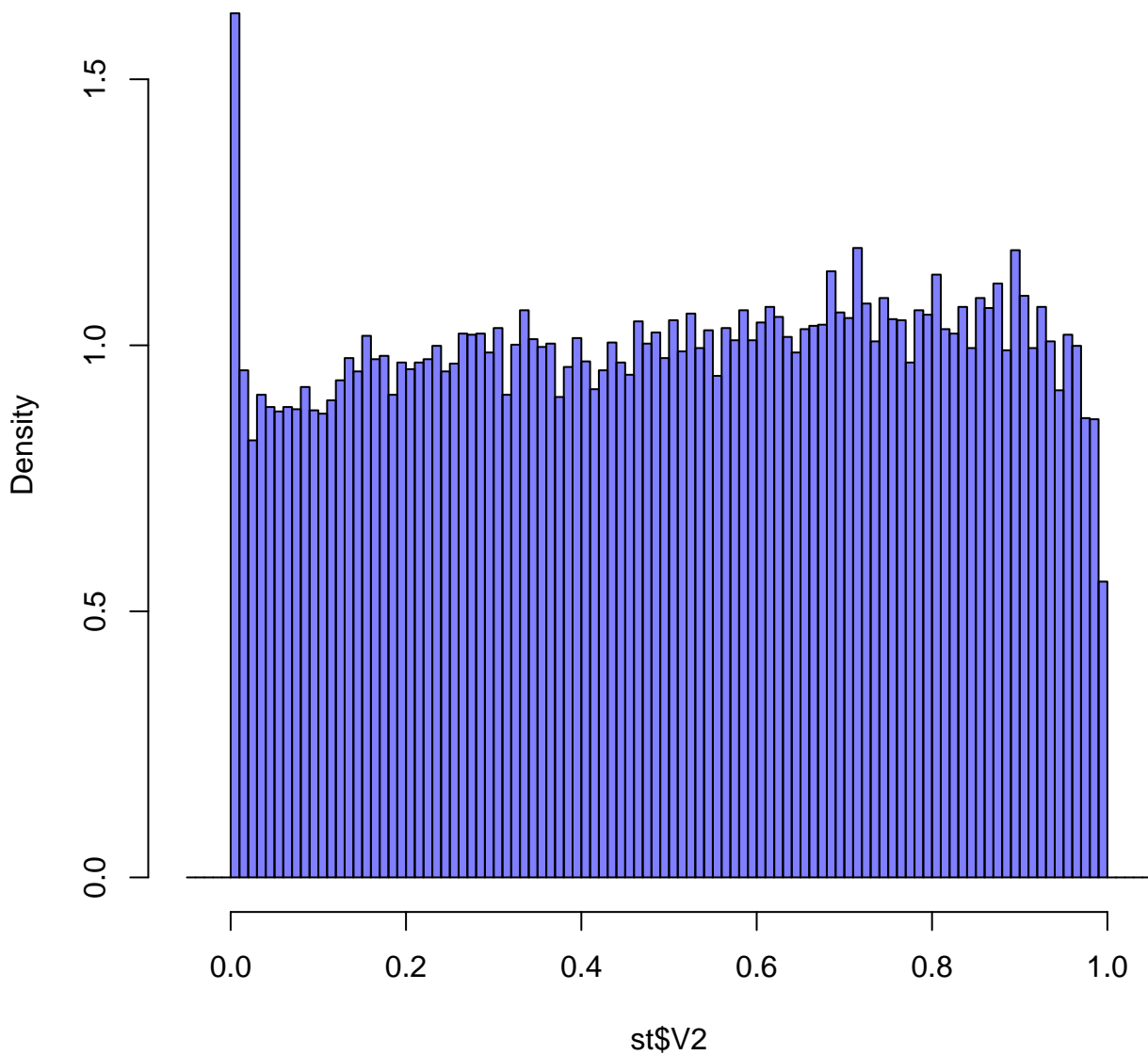
R<THR>A<O>



R<THR>A<OG1>

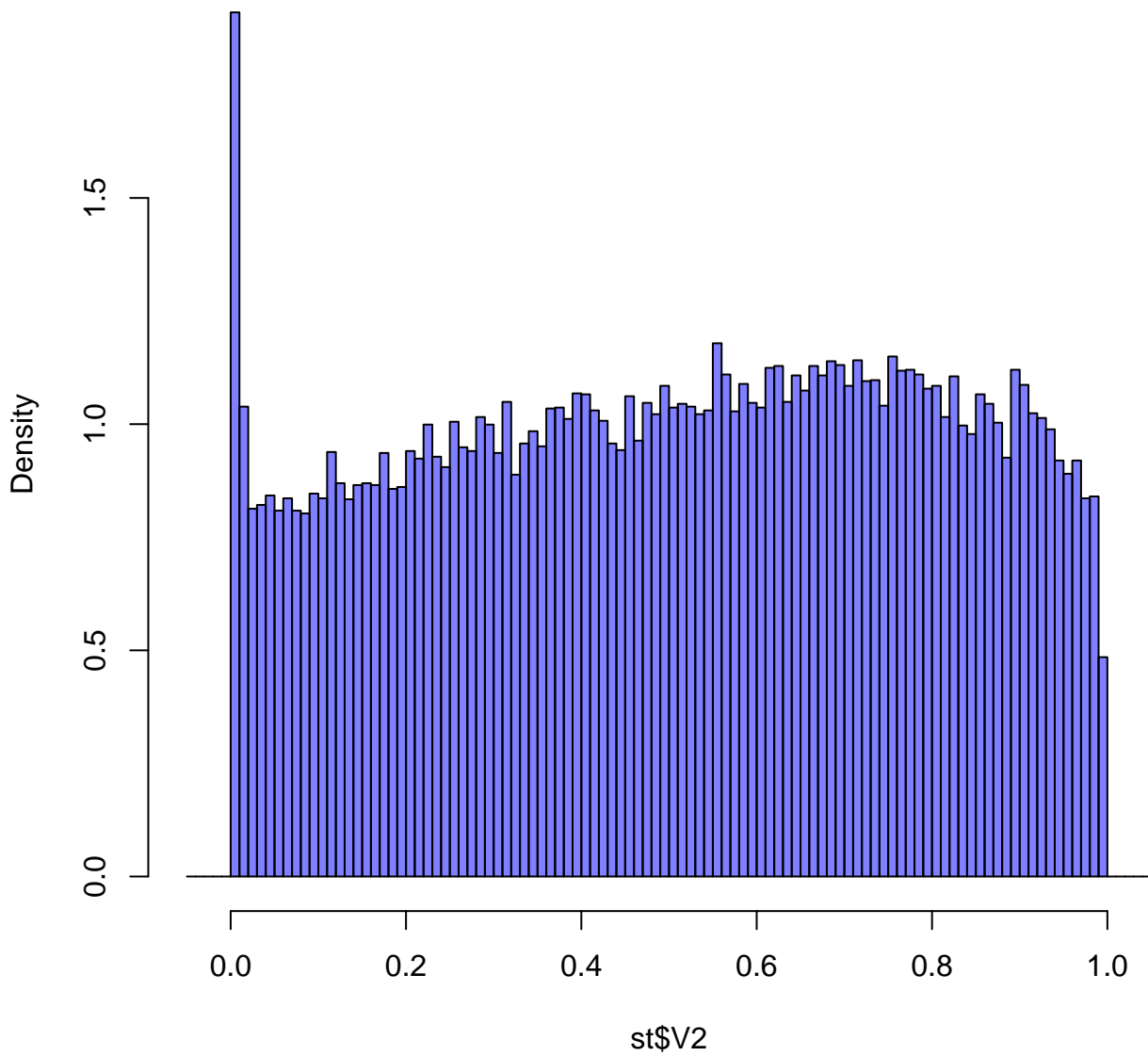


R<TRP>A<C>

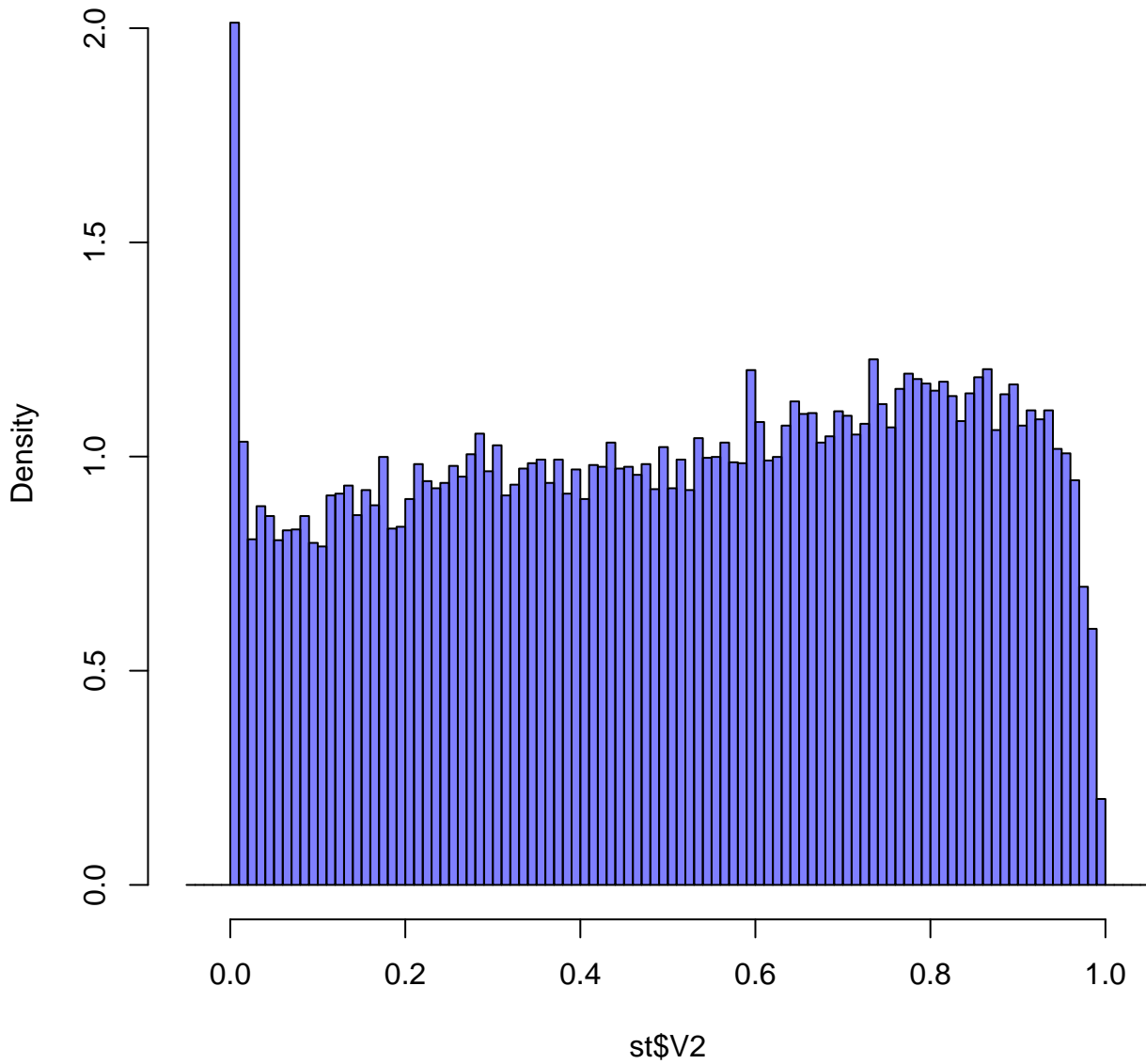




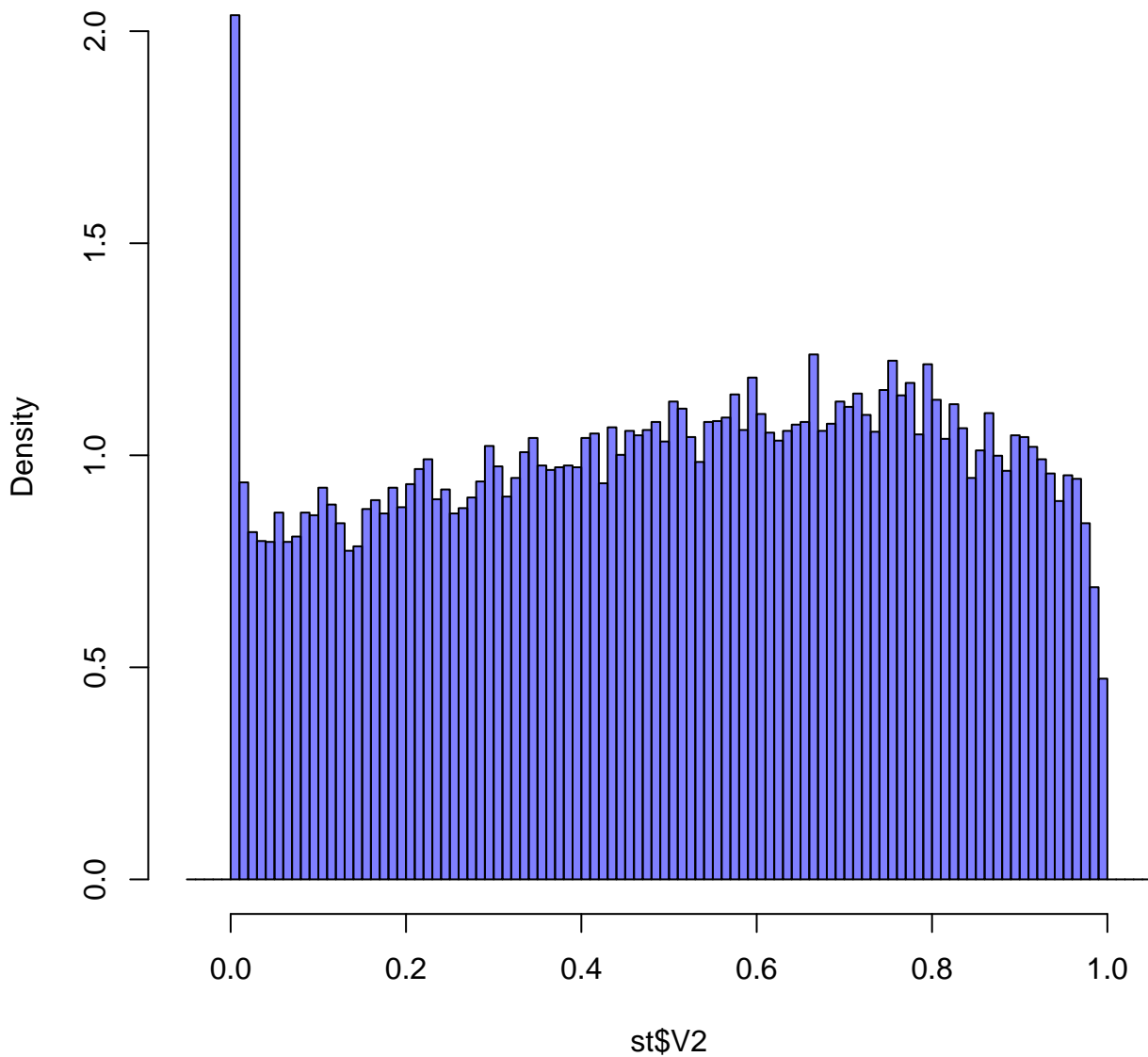
R<TRP>A<CA>



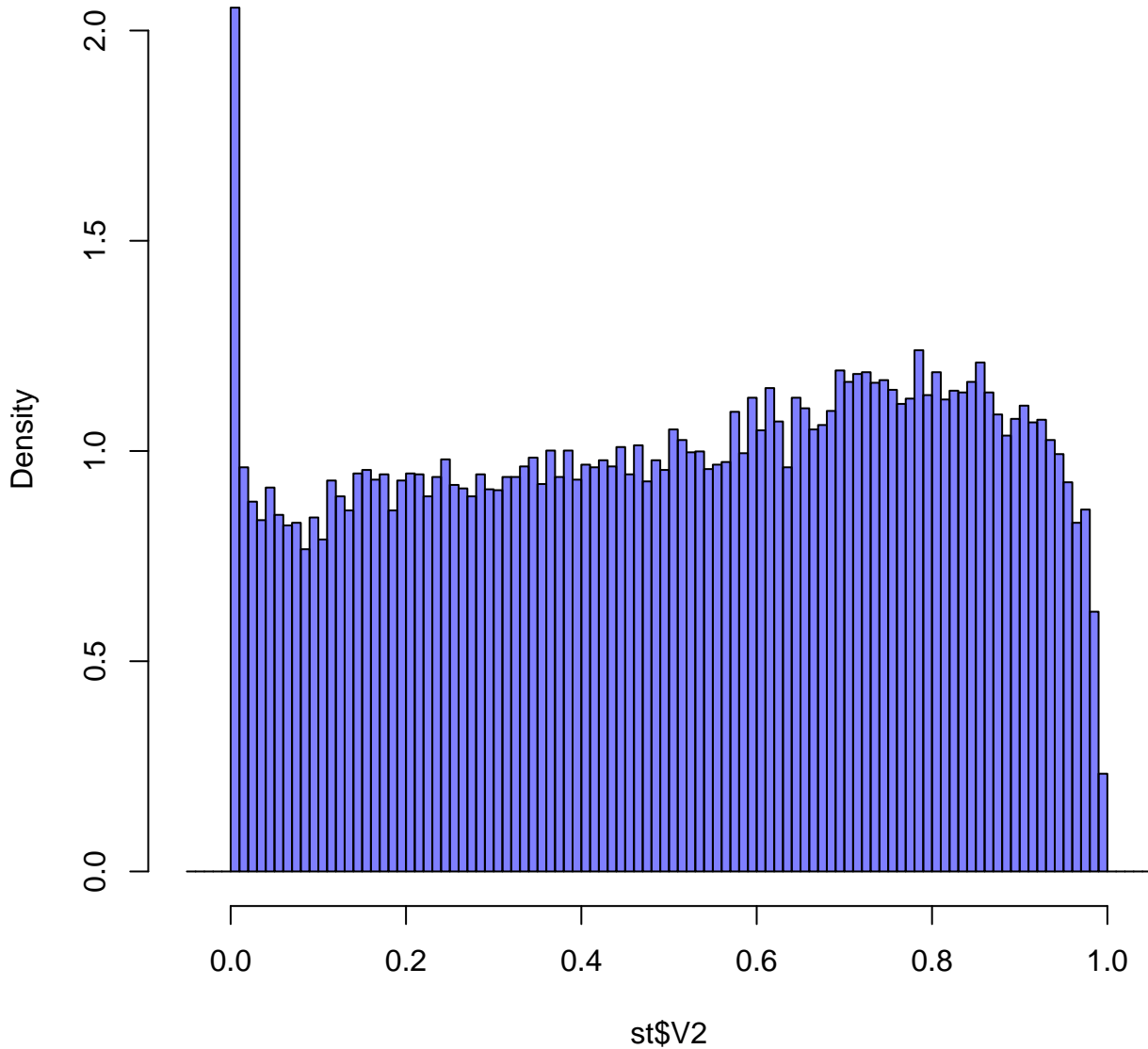
$R\langle TRP \rangle A\langle CB \rangle$



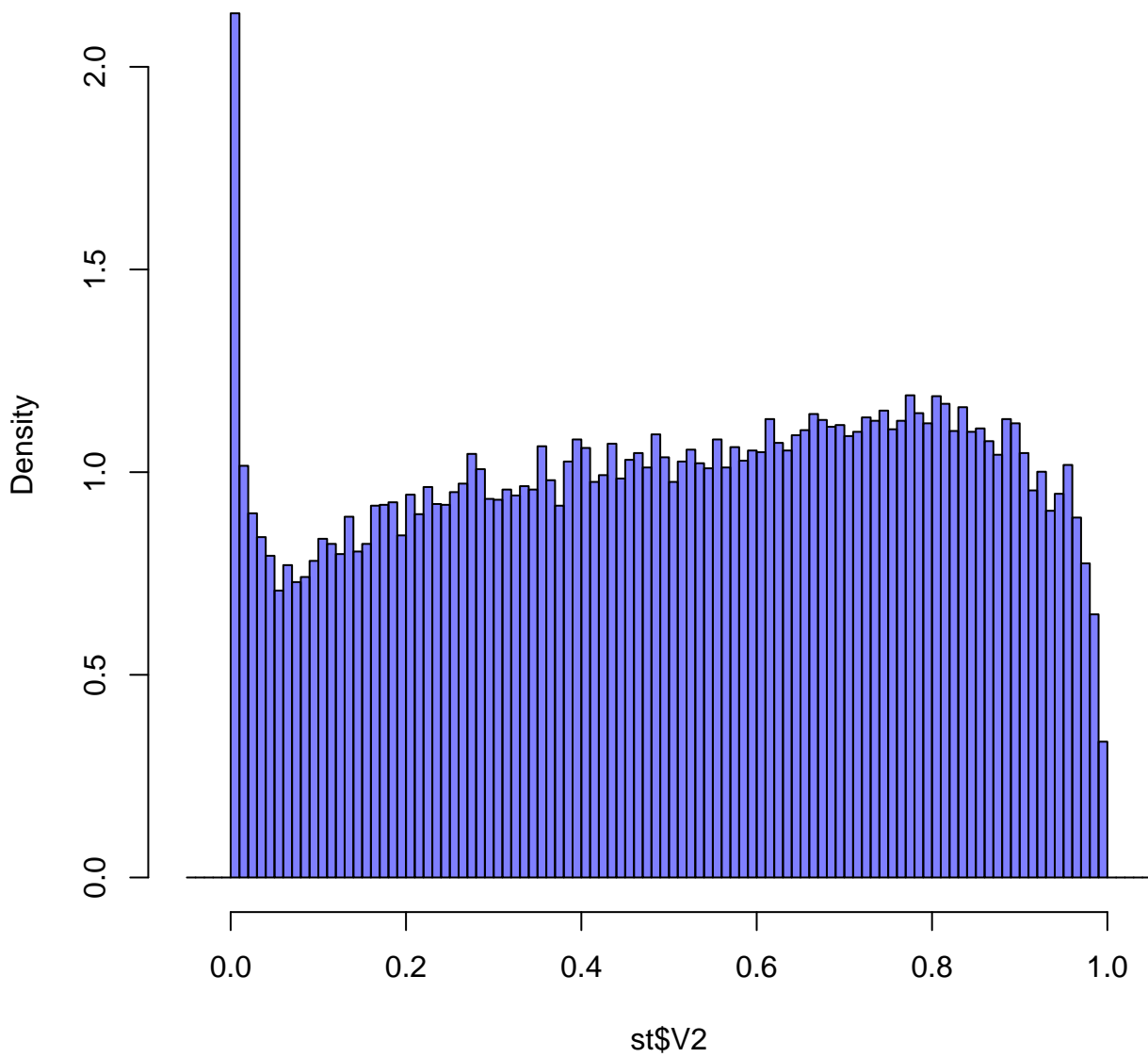
R<TRP>A<CD1>



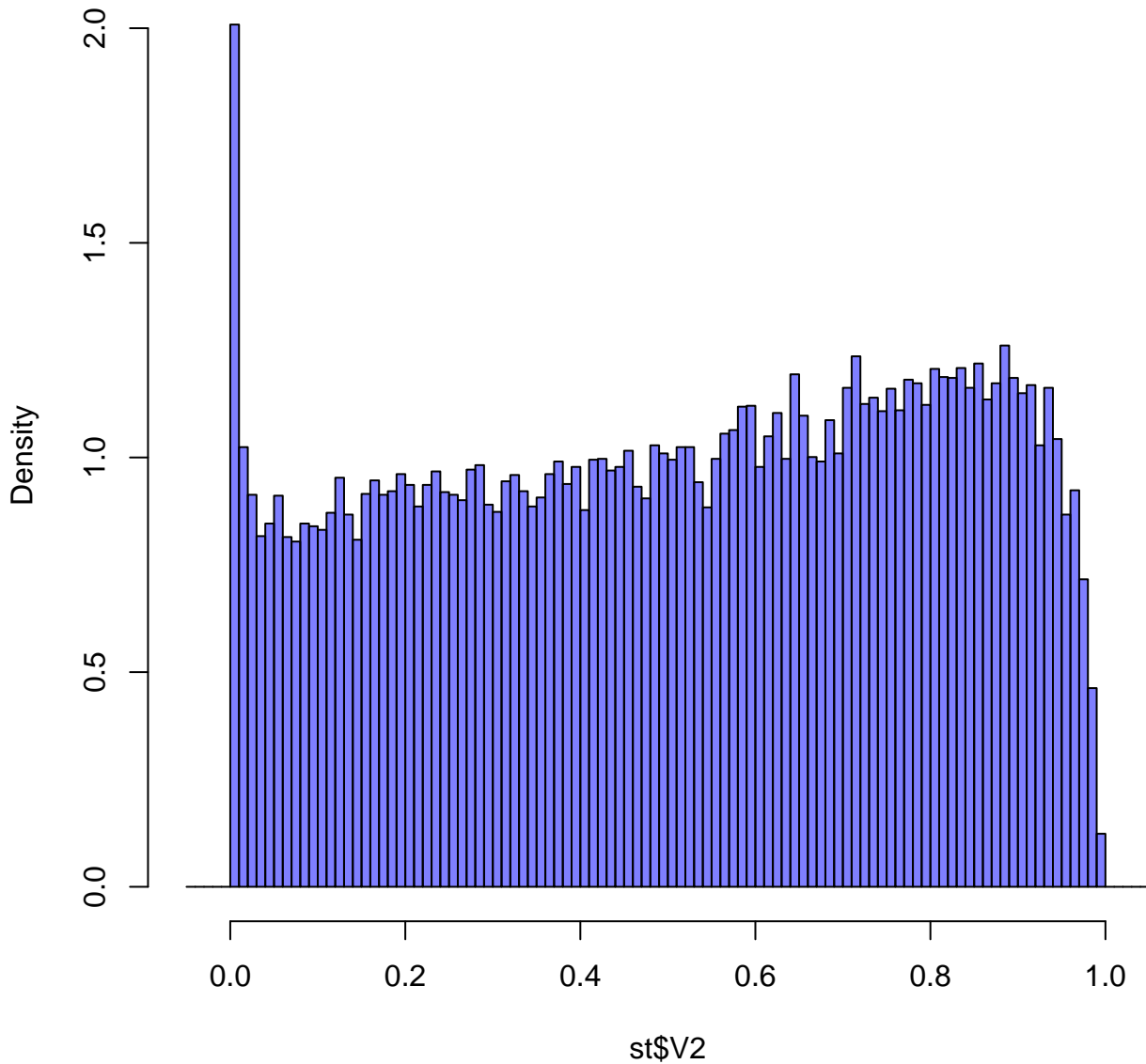
$R\langle\text{TRP}\rangle A\langle\text{CD2}\rangle$



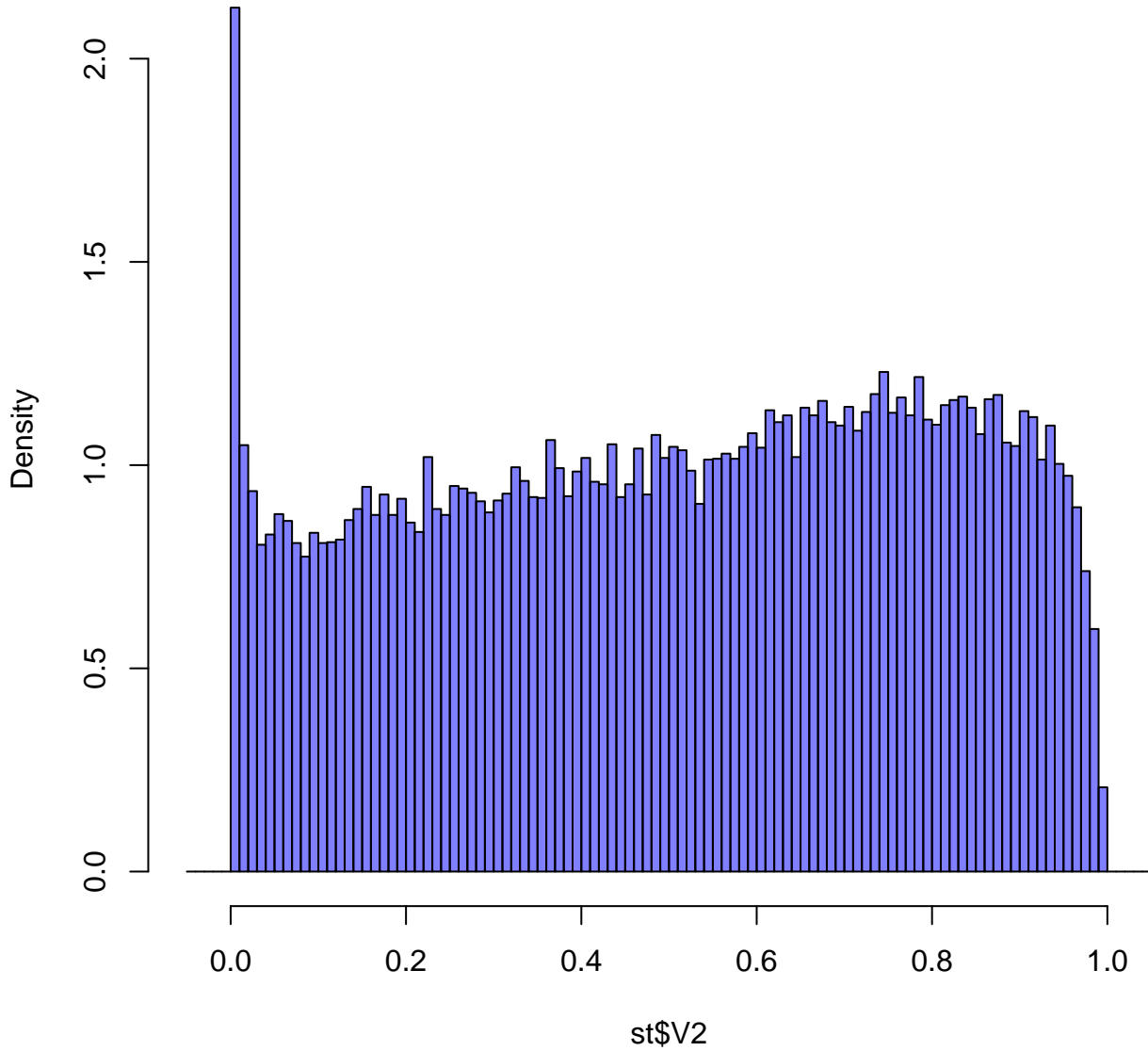
$R\langle\text{TRP}\rangle A\langle\text{CE2}\rangle$



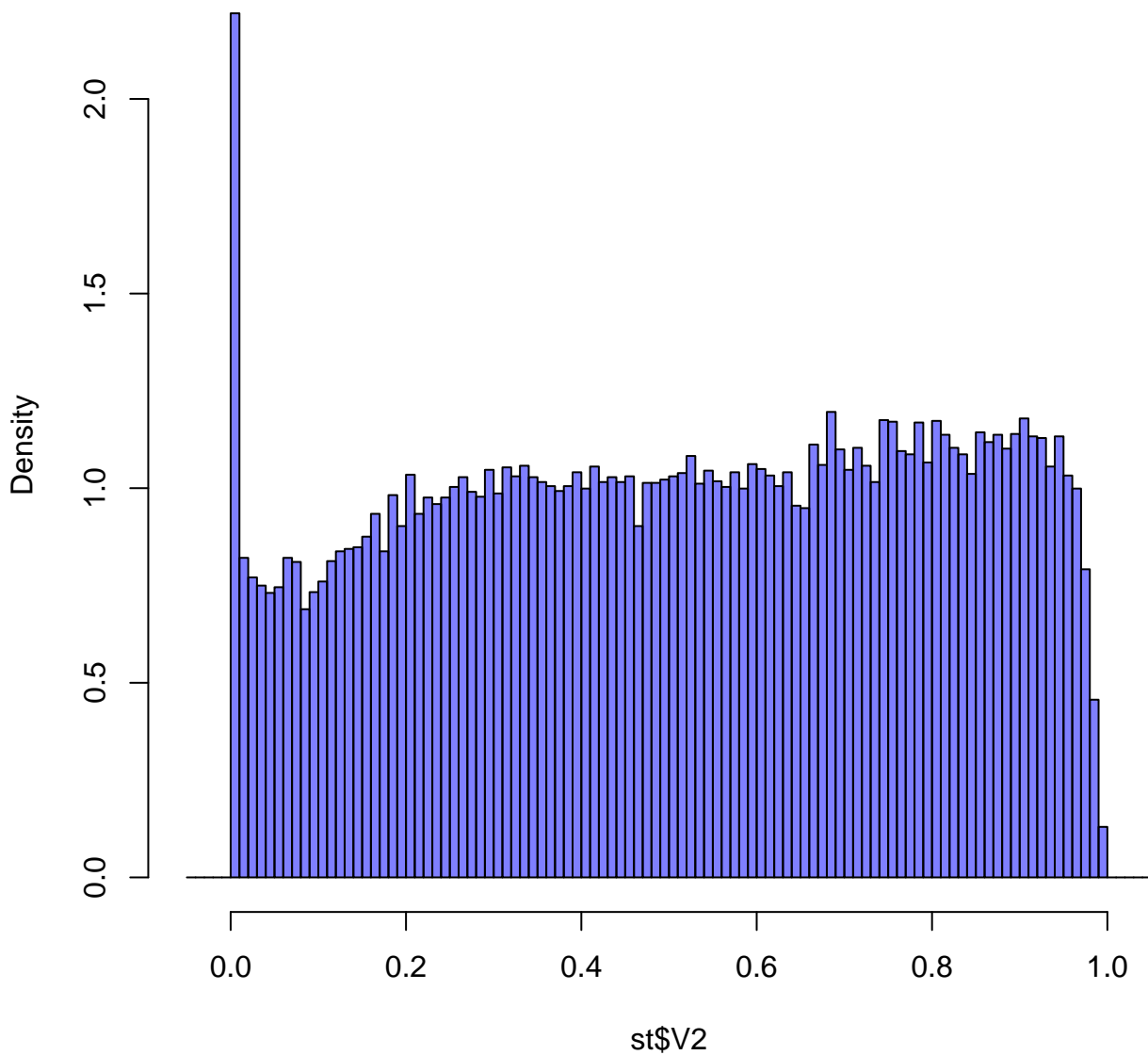
**R<TRP>A<CE3>**



**R<TRP>A<CG>**

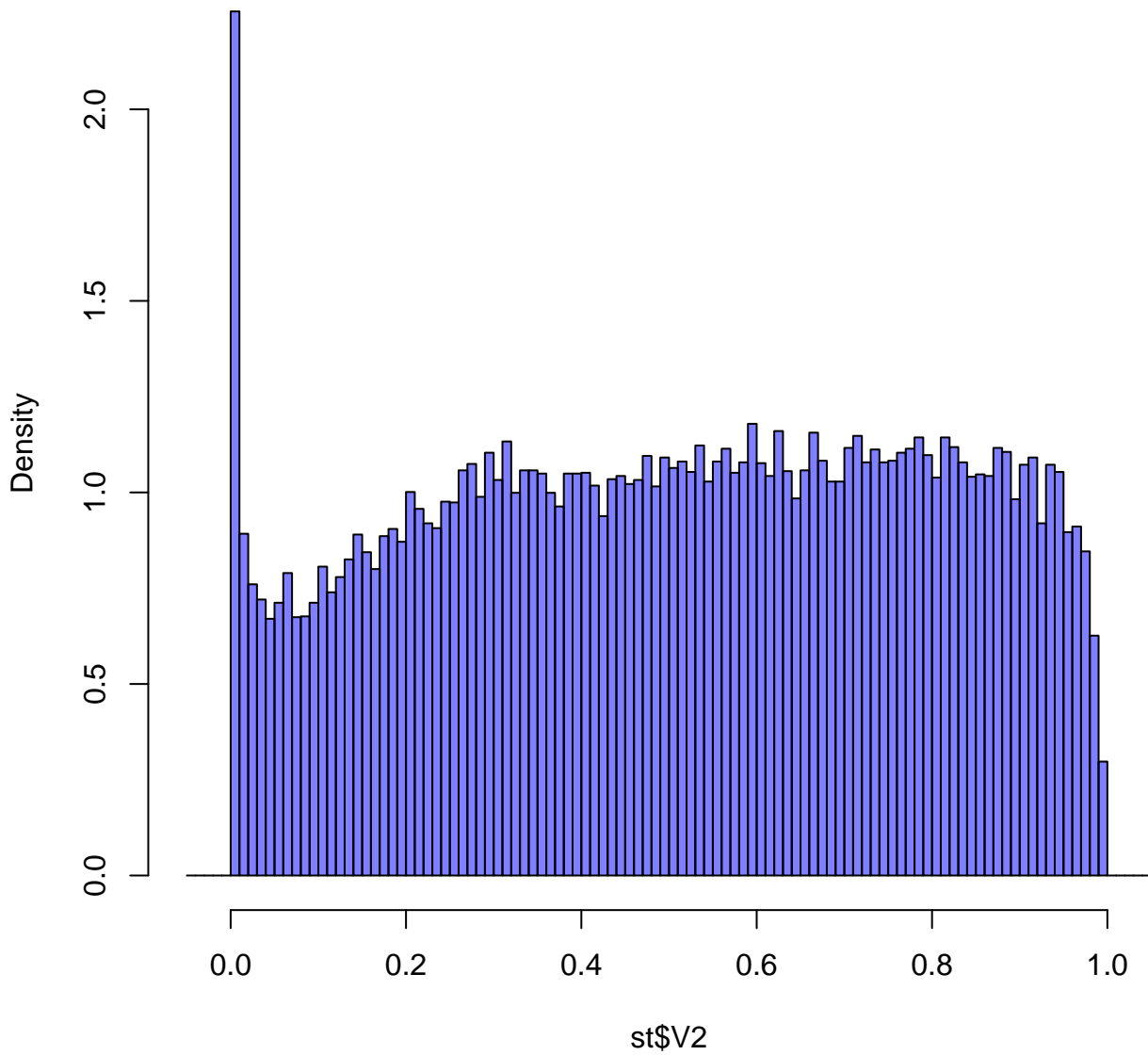


R<TRP>A<CH2>

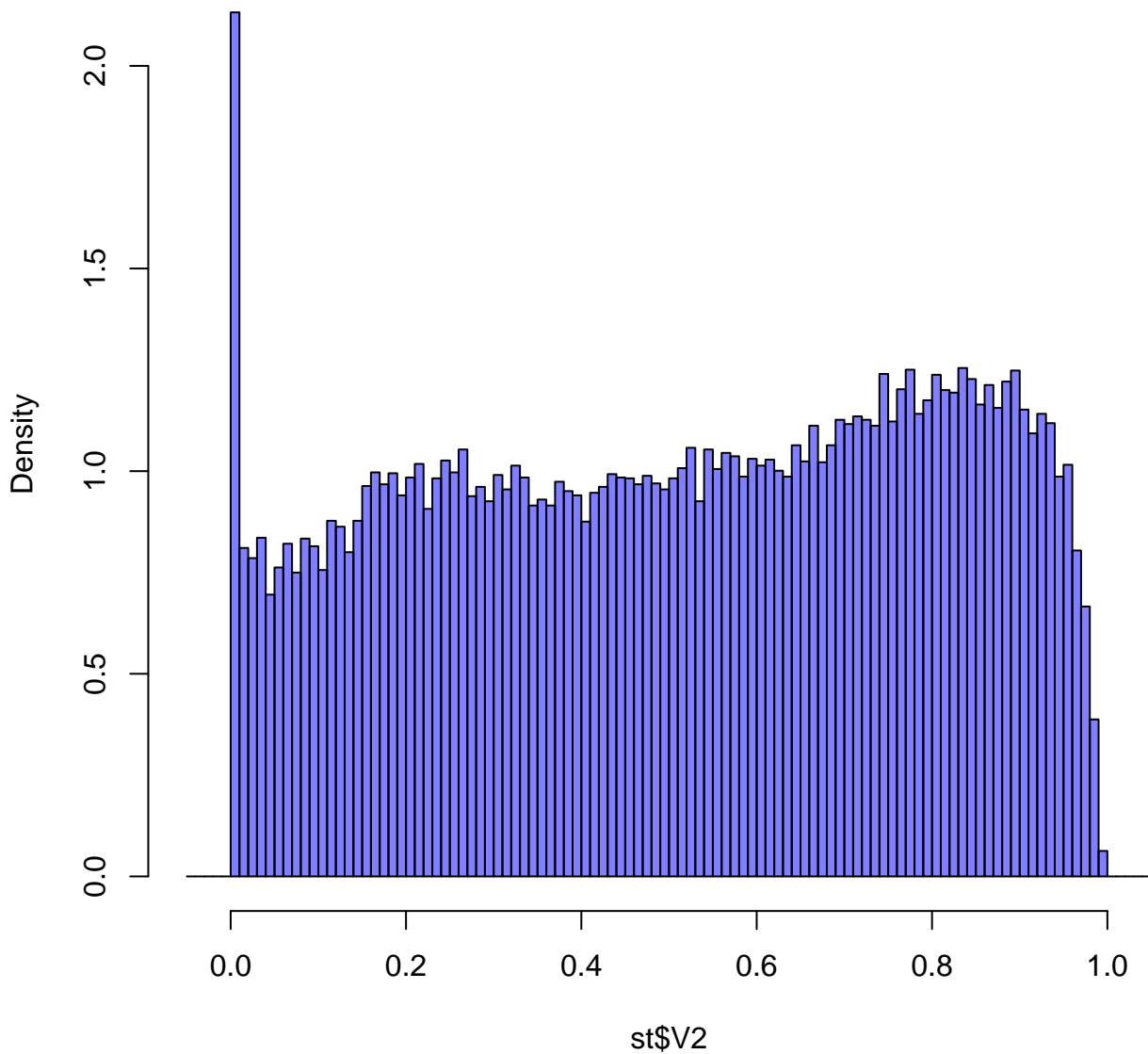




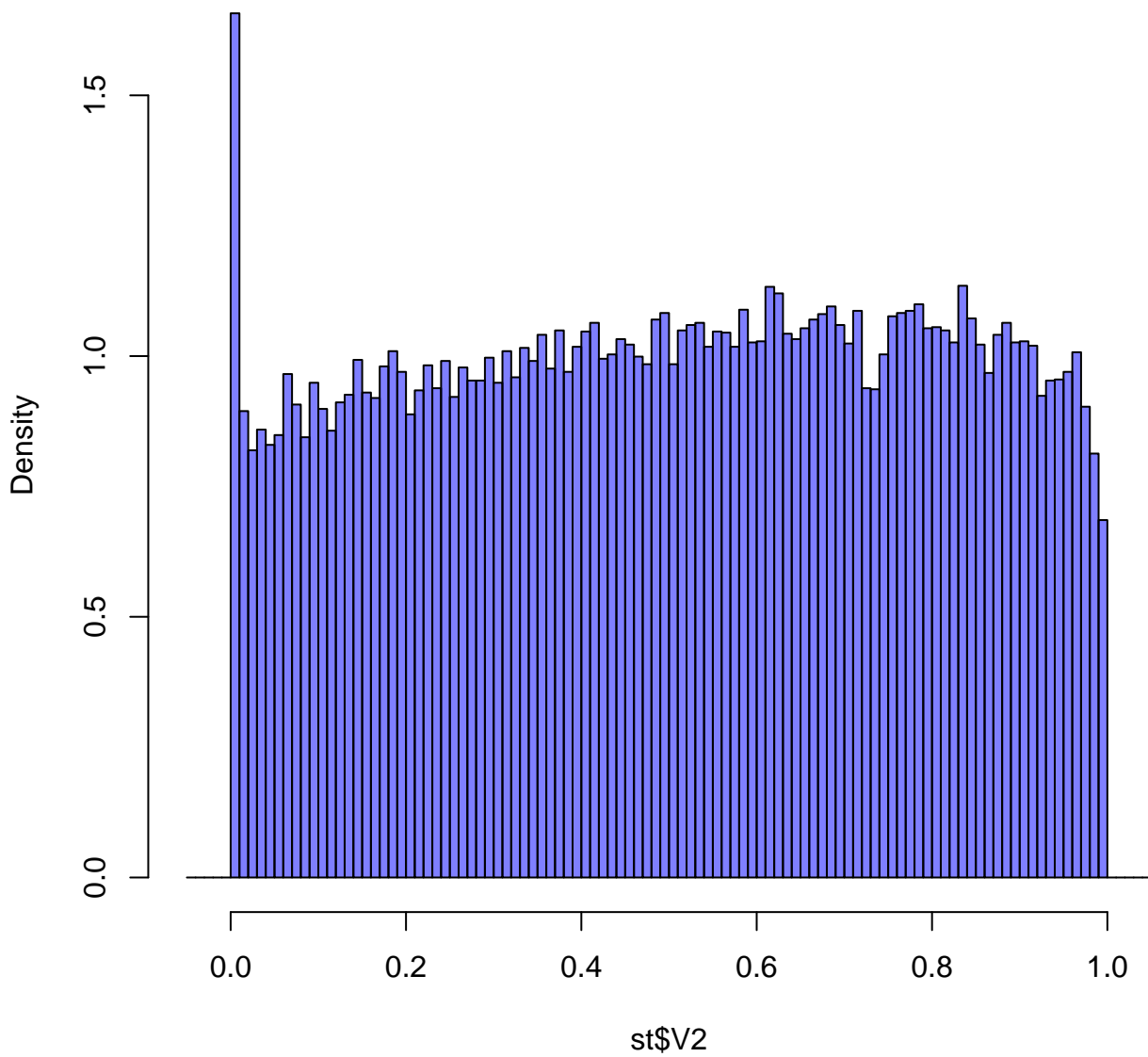
**R<TRP>A<CZ2>**



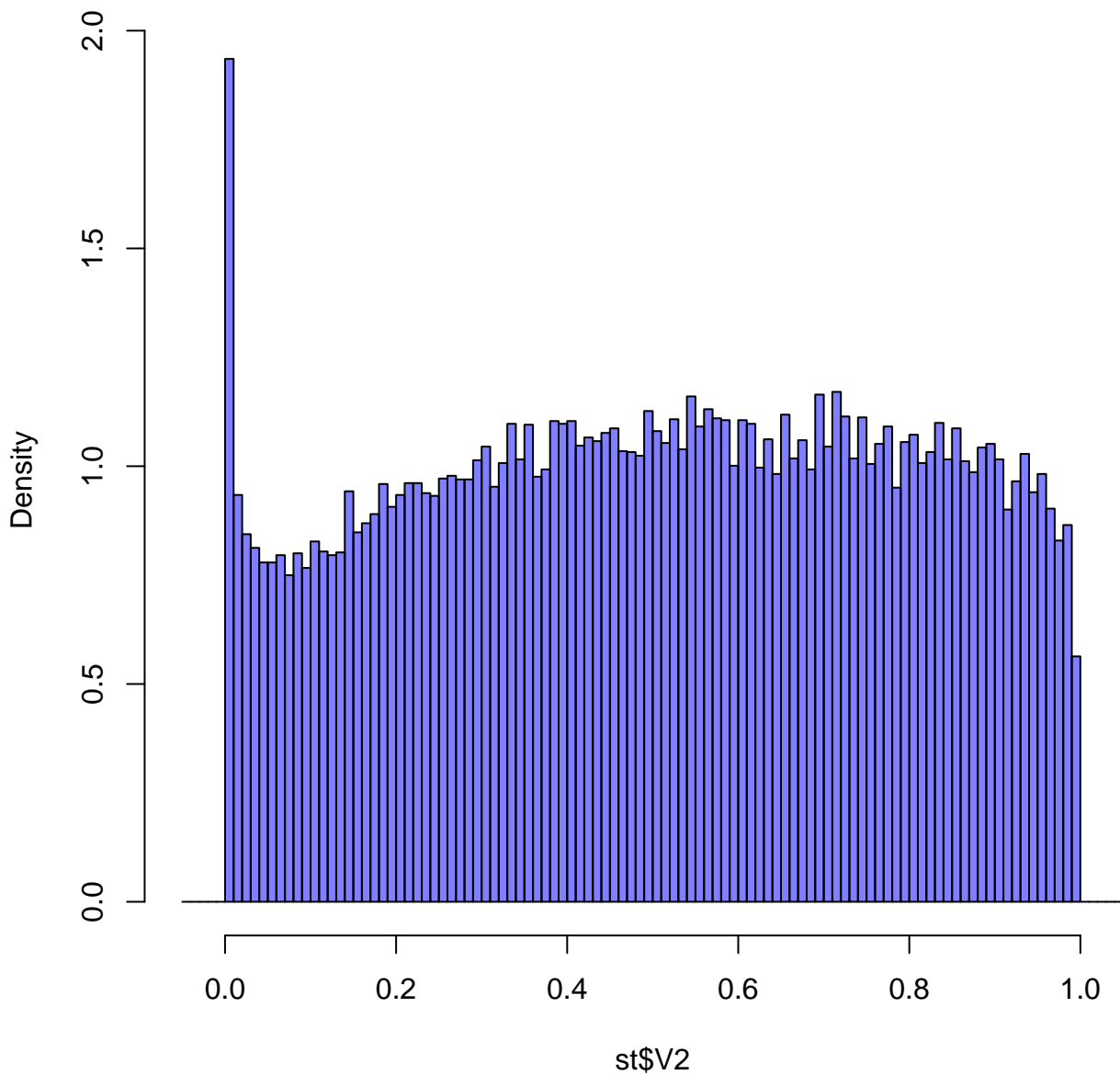
R<TRP>A<CZ3>



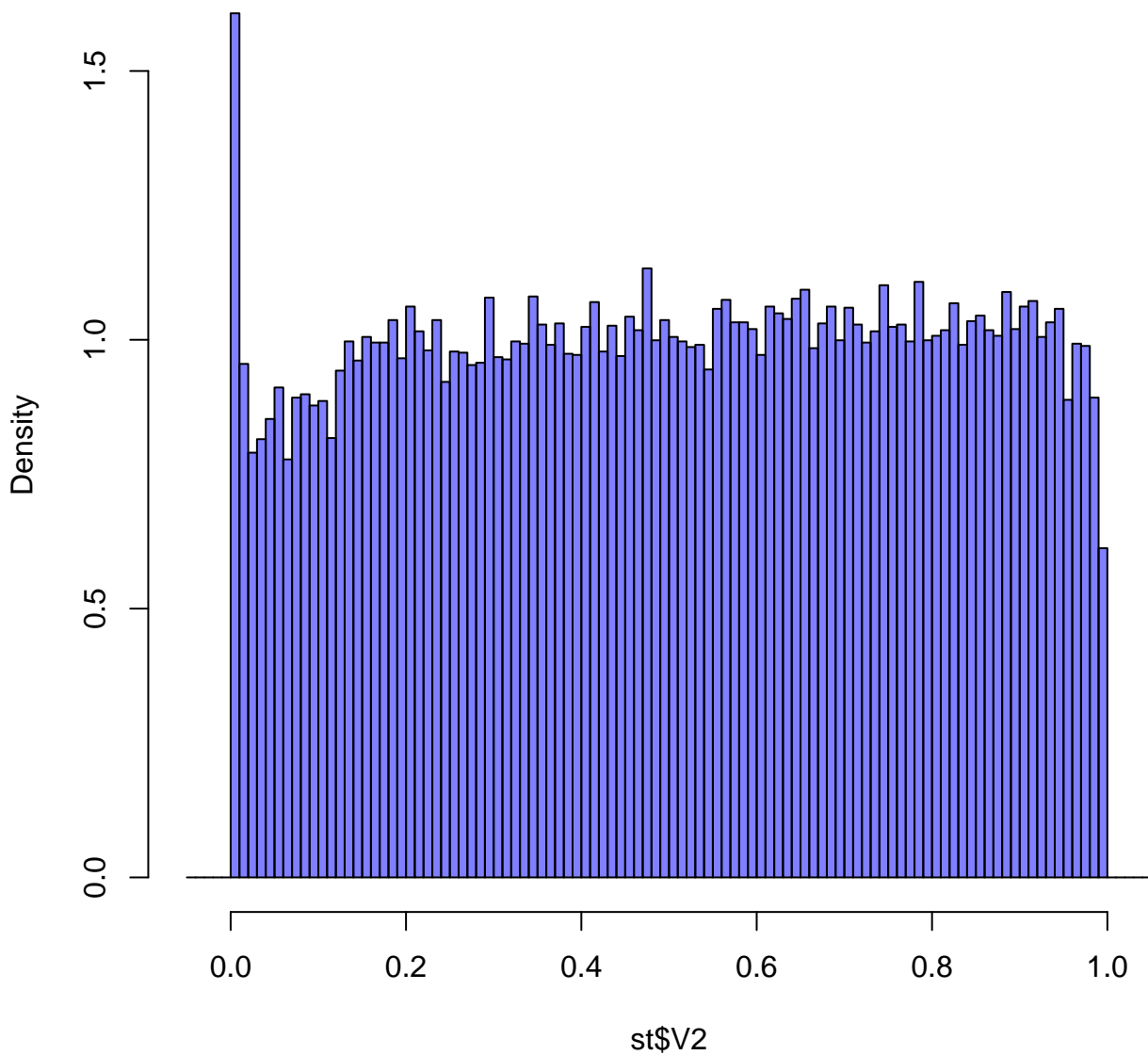
R<TRP>A<N>



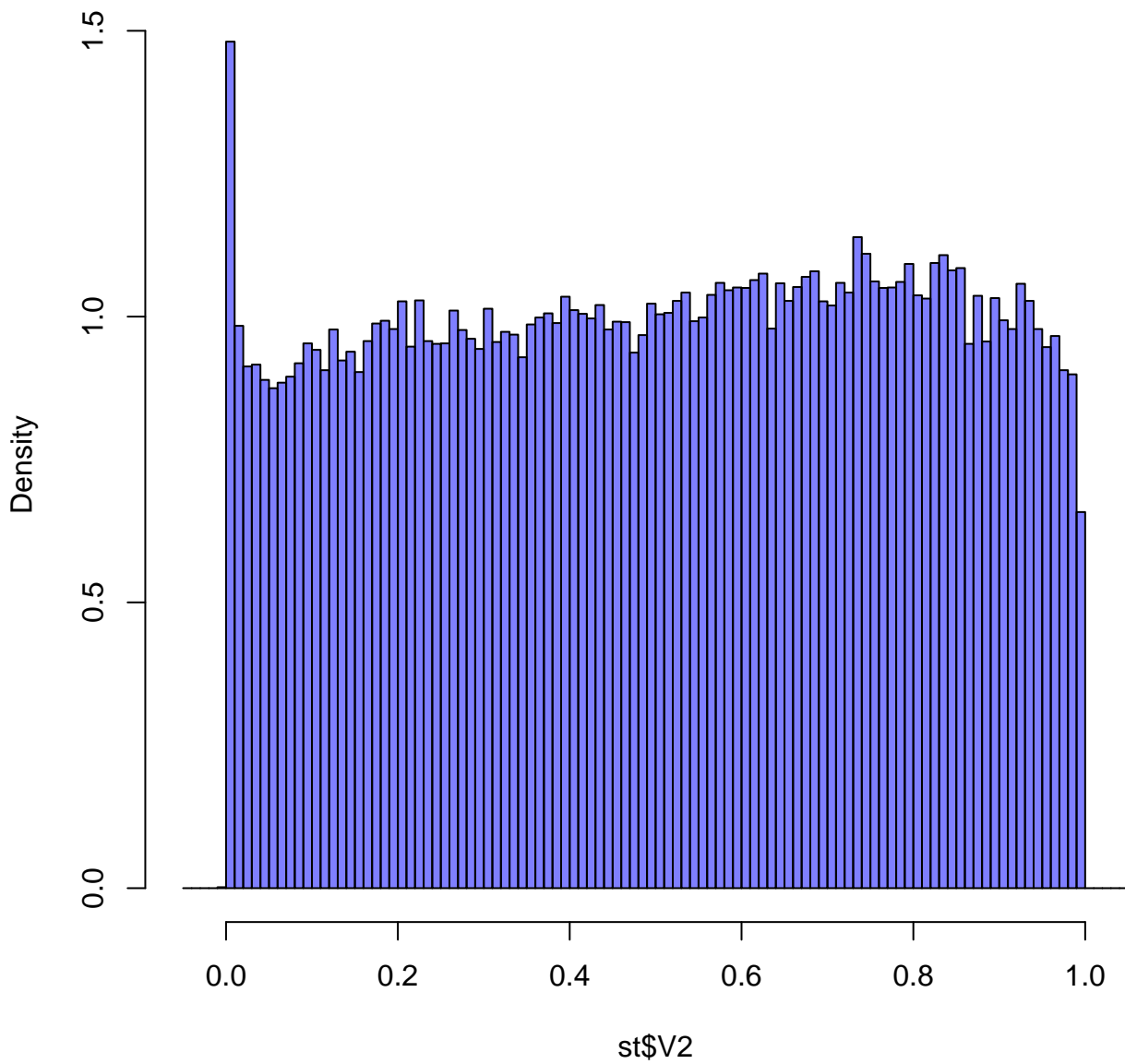
$R\langle\text{TRP}\rangle A\langle\text{NE1}\rangle$



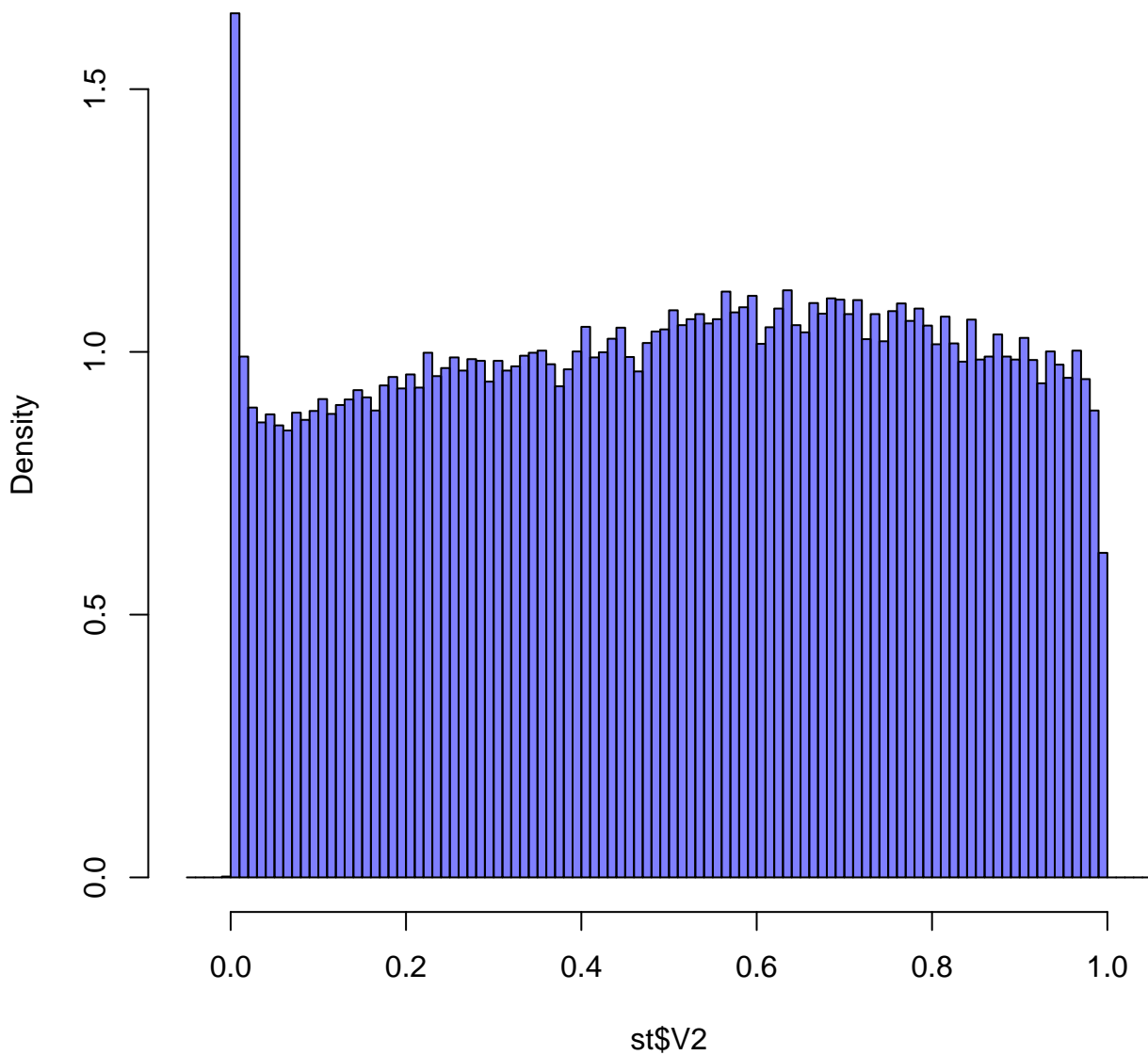
R<TRP>A<O>



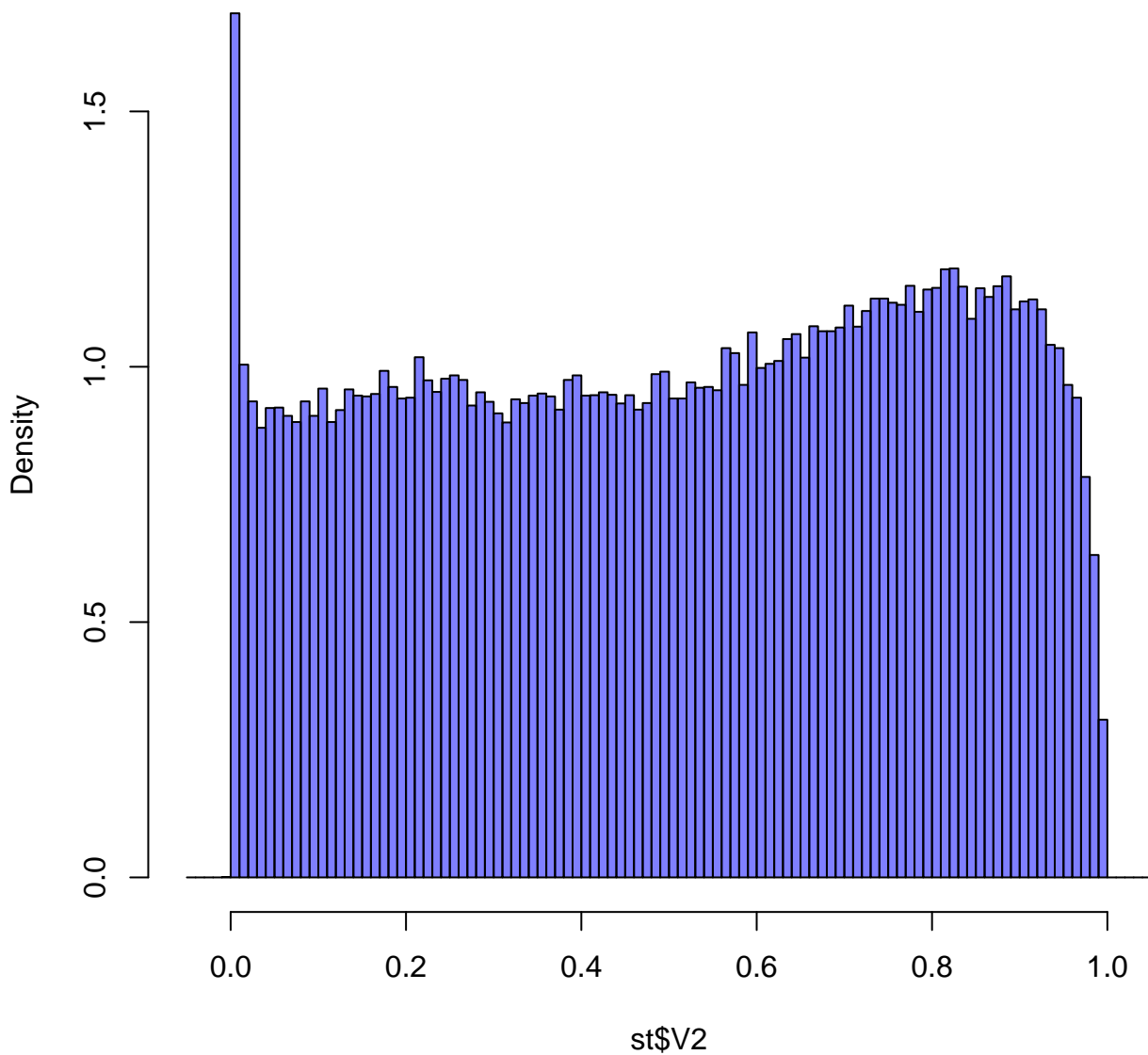
R<TYR>A<C>



R<TYR>A<CA>

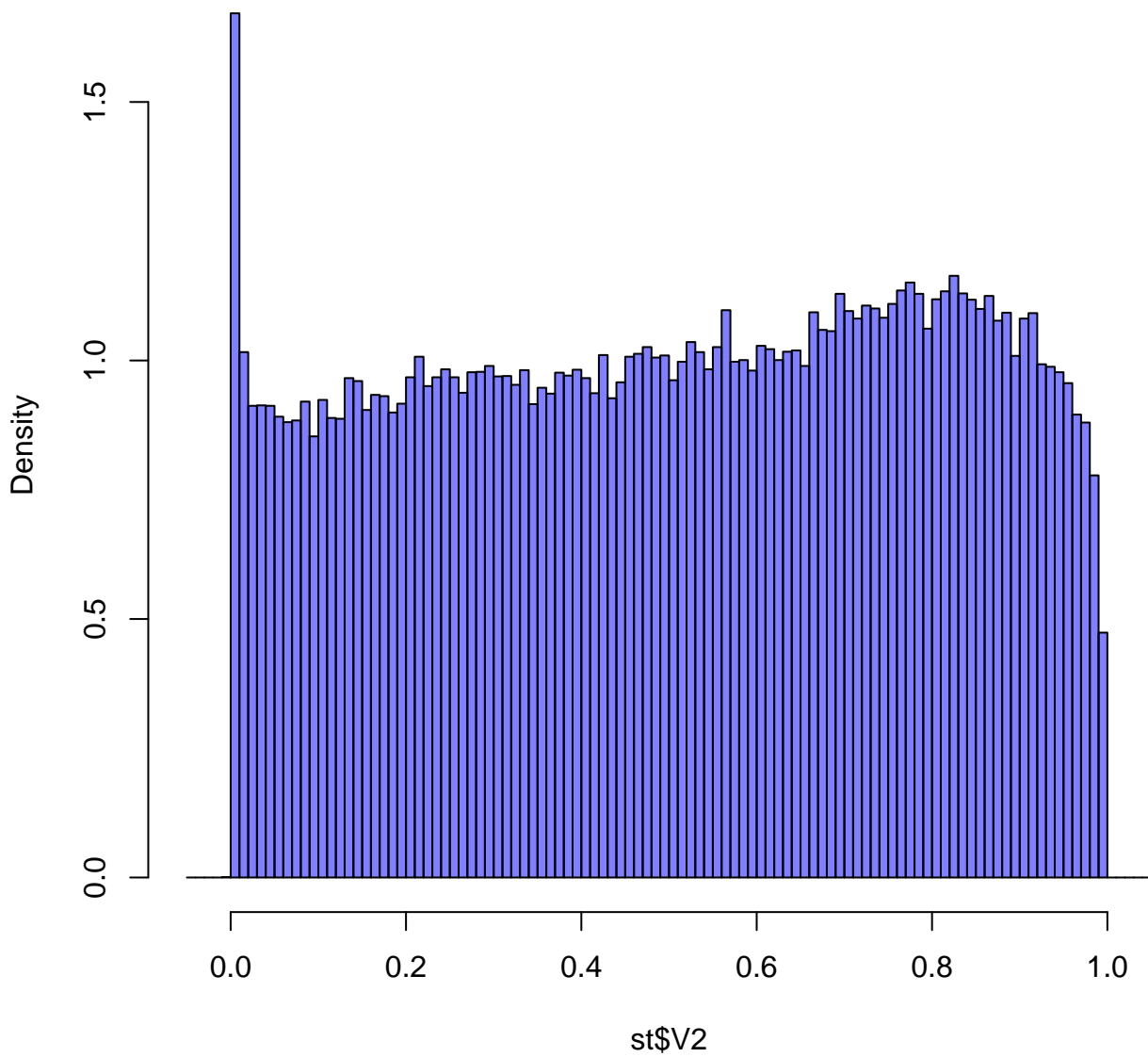


**R<TYR>A<CB>**

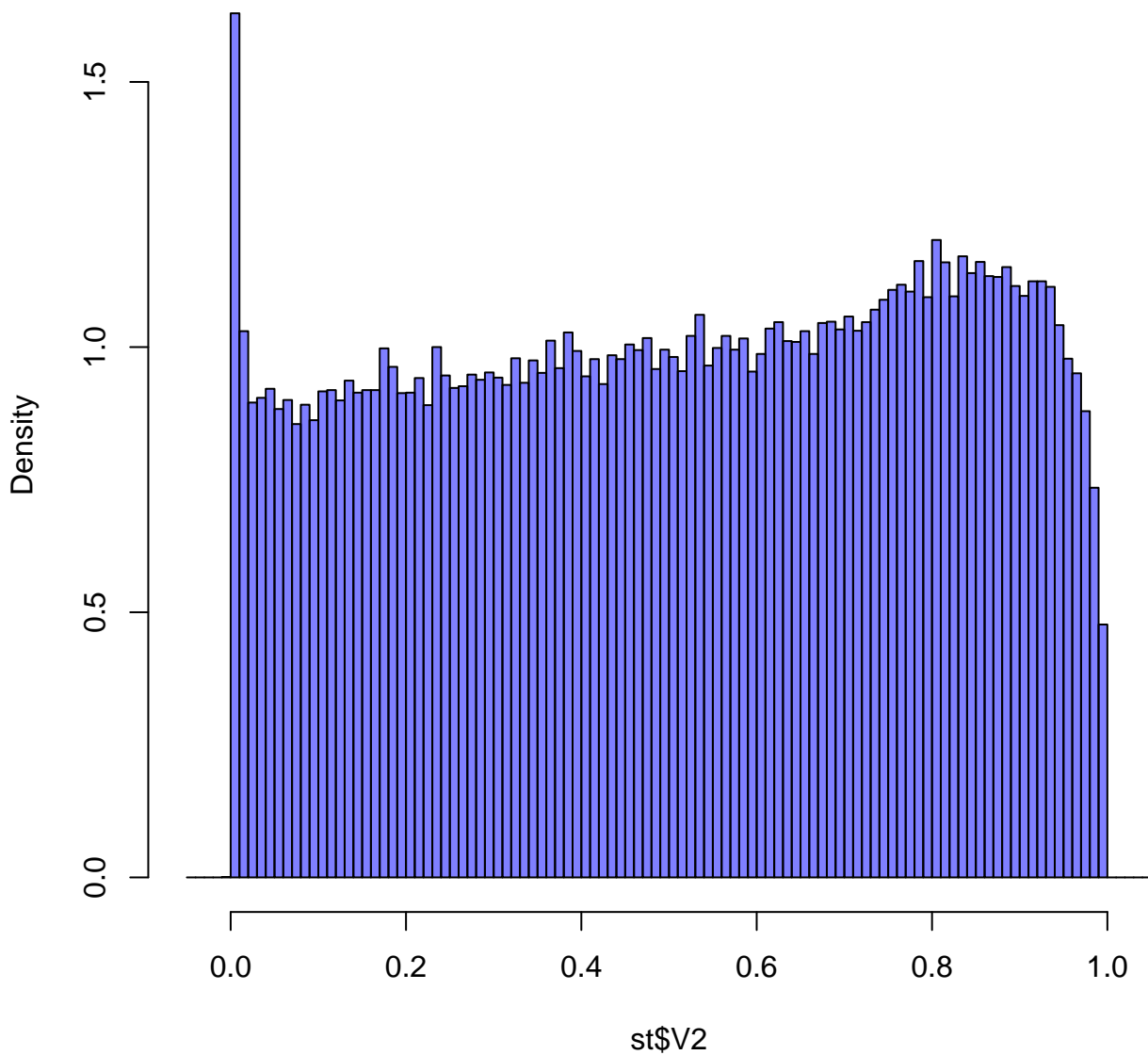




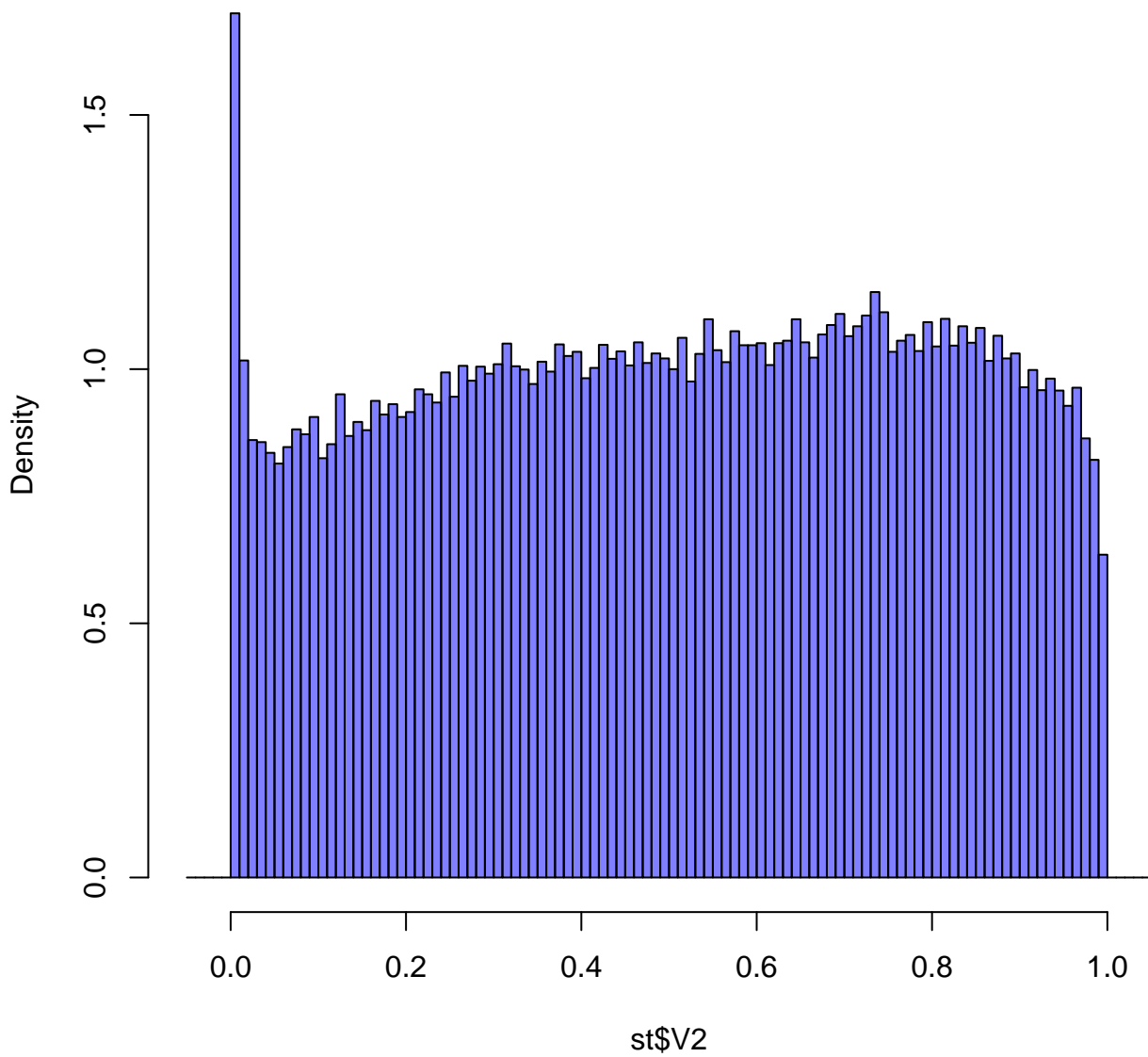
R<TYR>A<CD1>



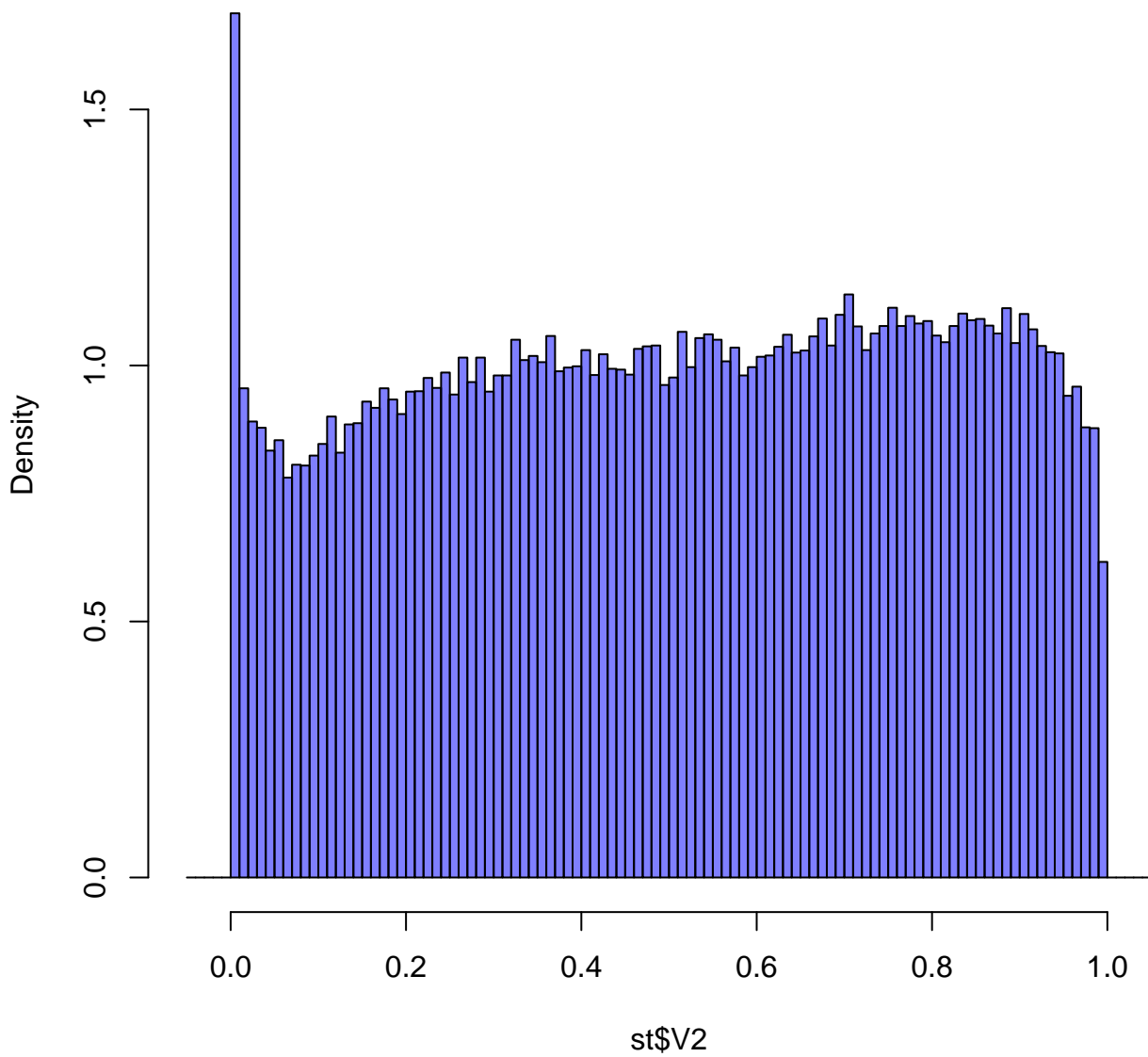
R<TYR>A<CD2>



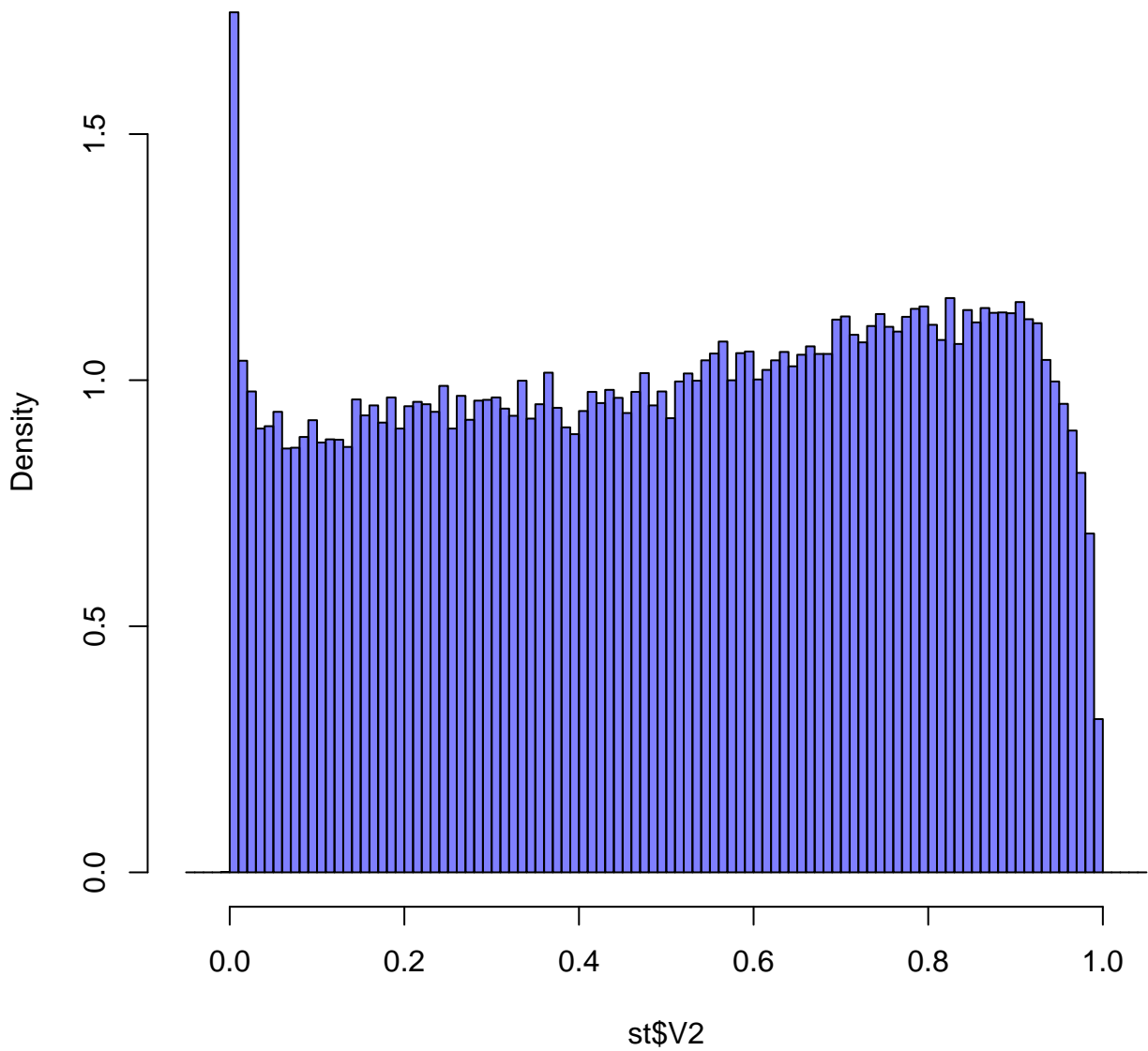
R<TYR>A<CE1>



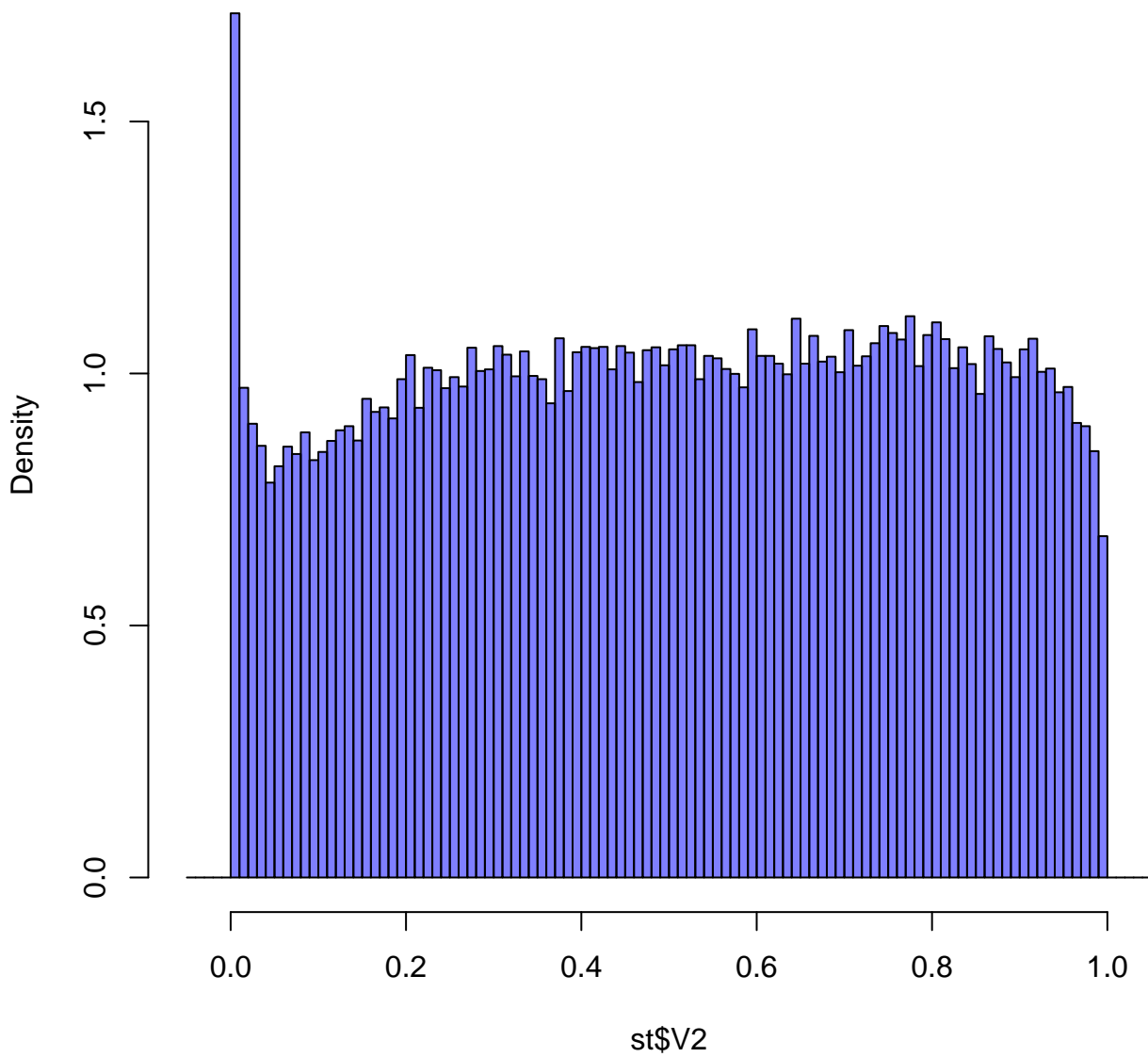
R<TYR>A<CE2>



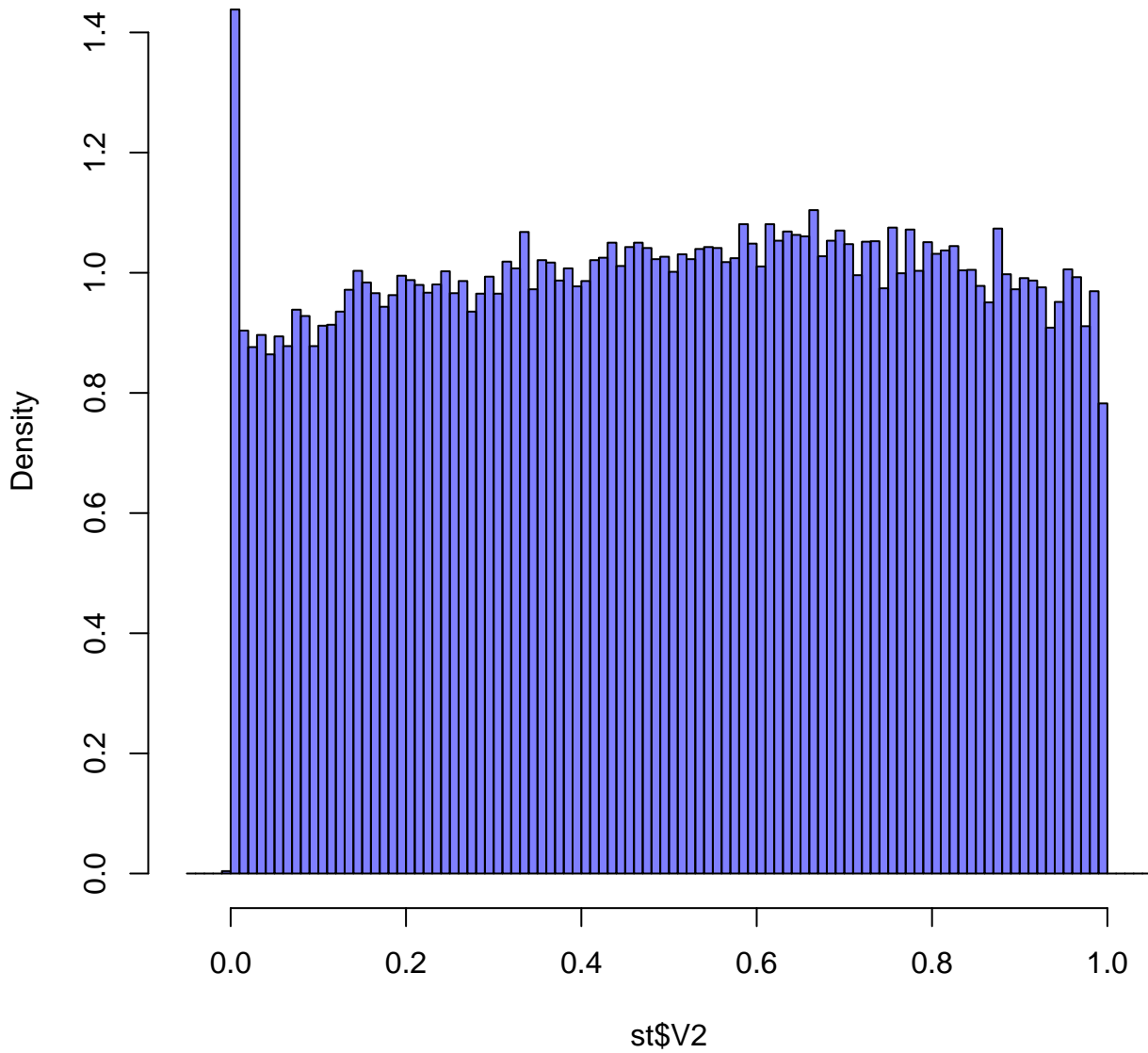
R<TYR>A<CG>



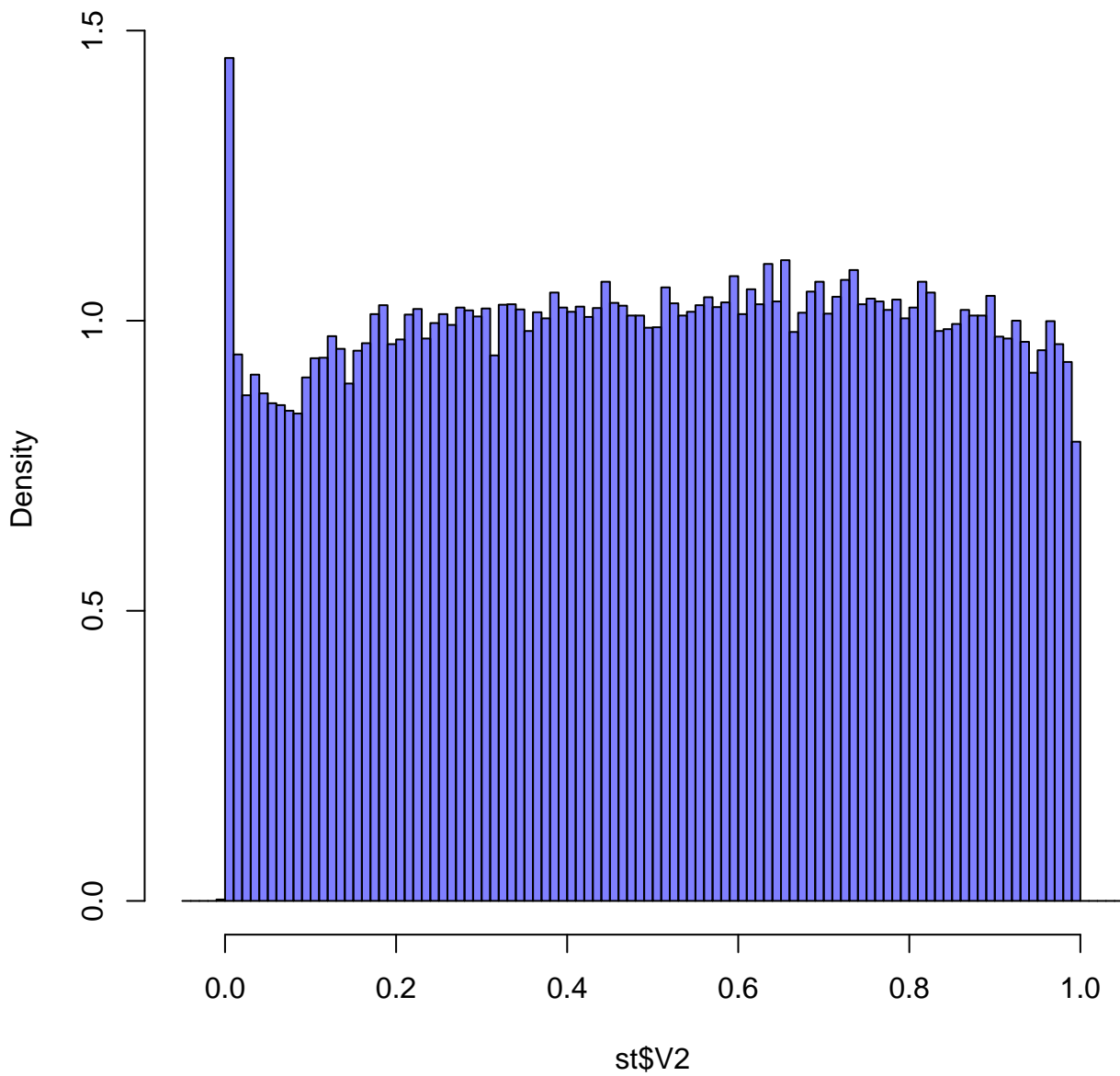
**R<TYR>A<CZ>**



R<TYR>A<N>

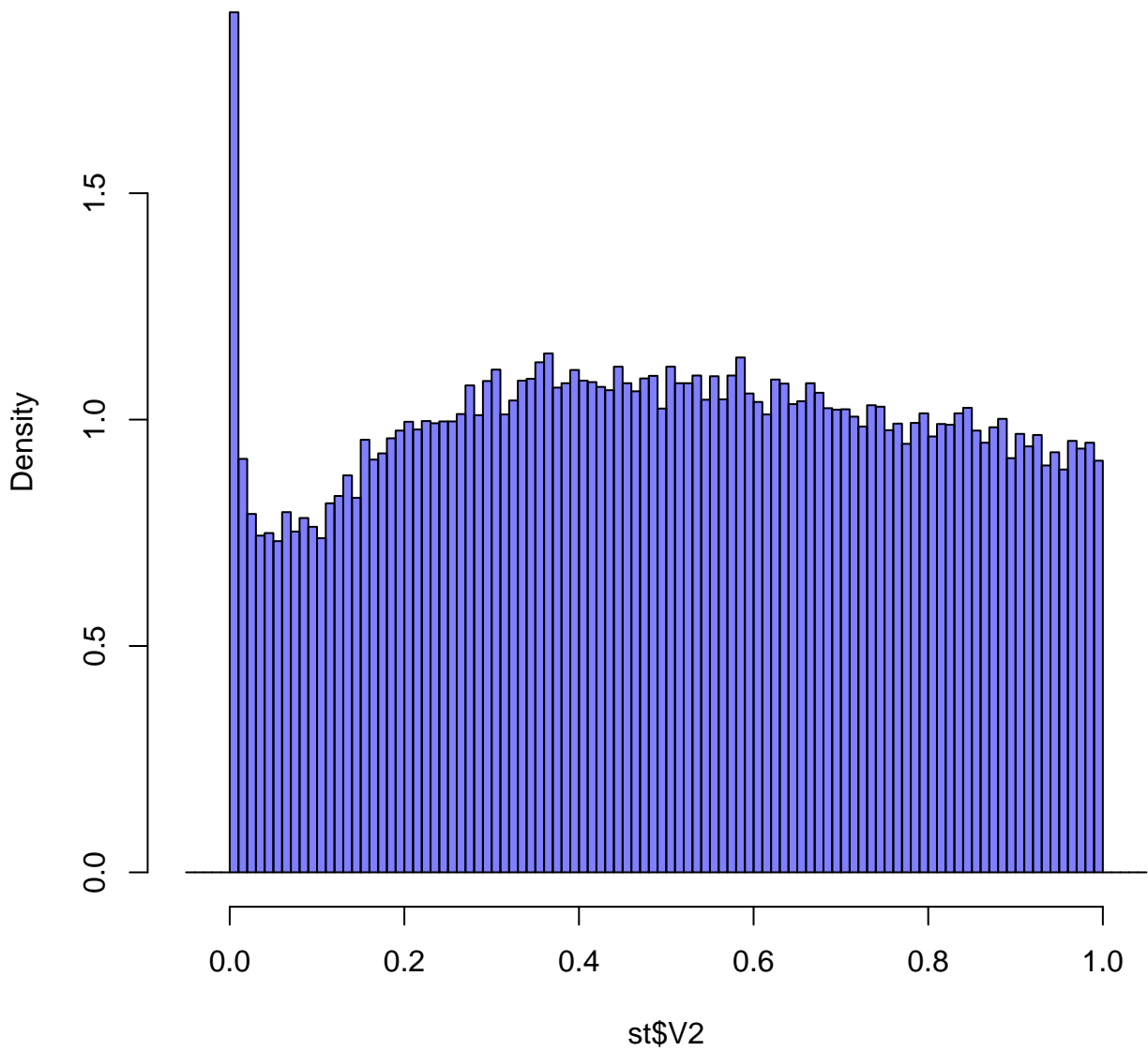


R<TYR>A<O>

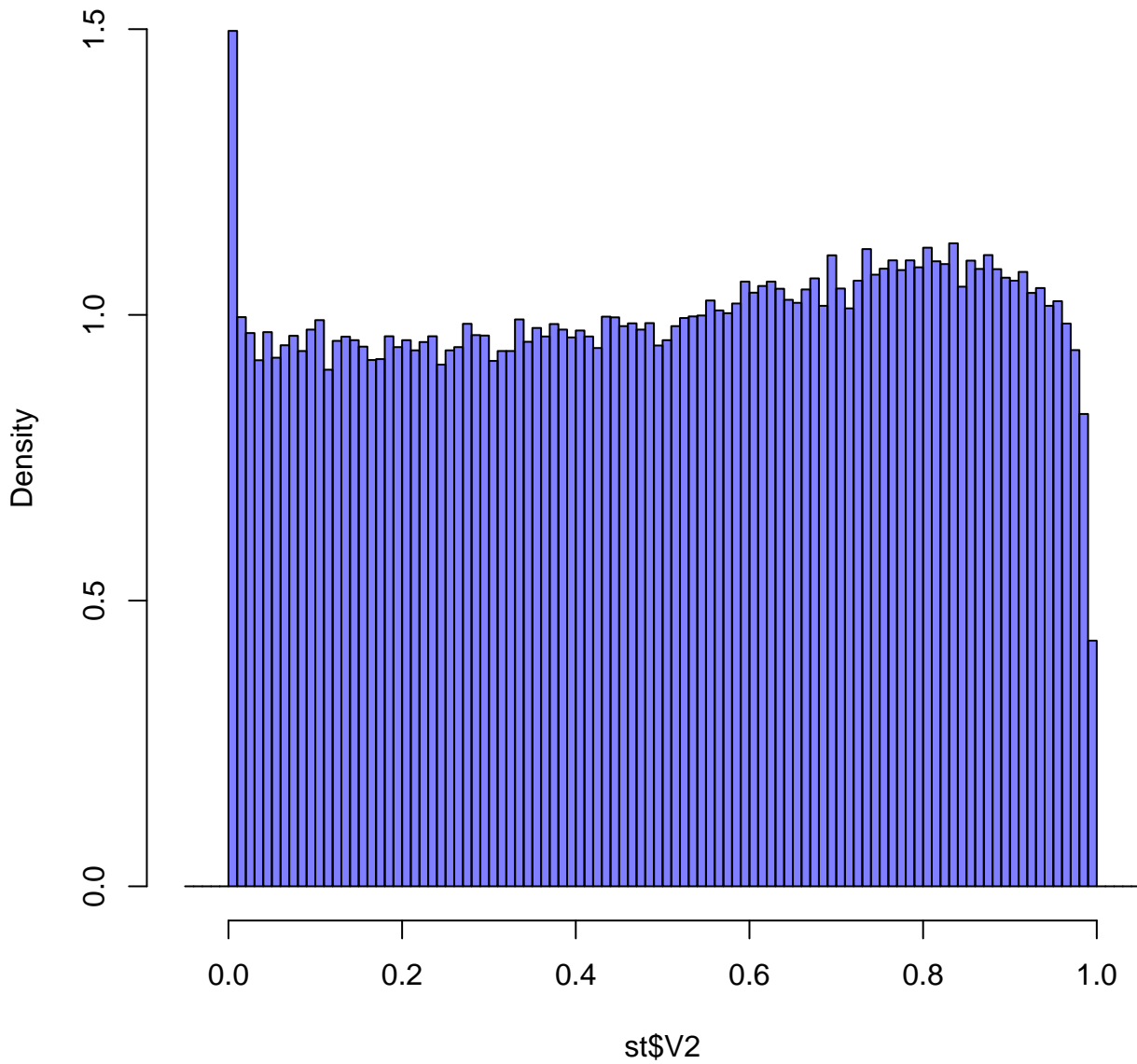




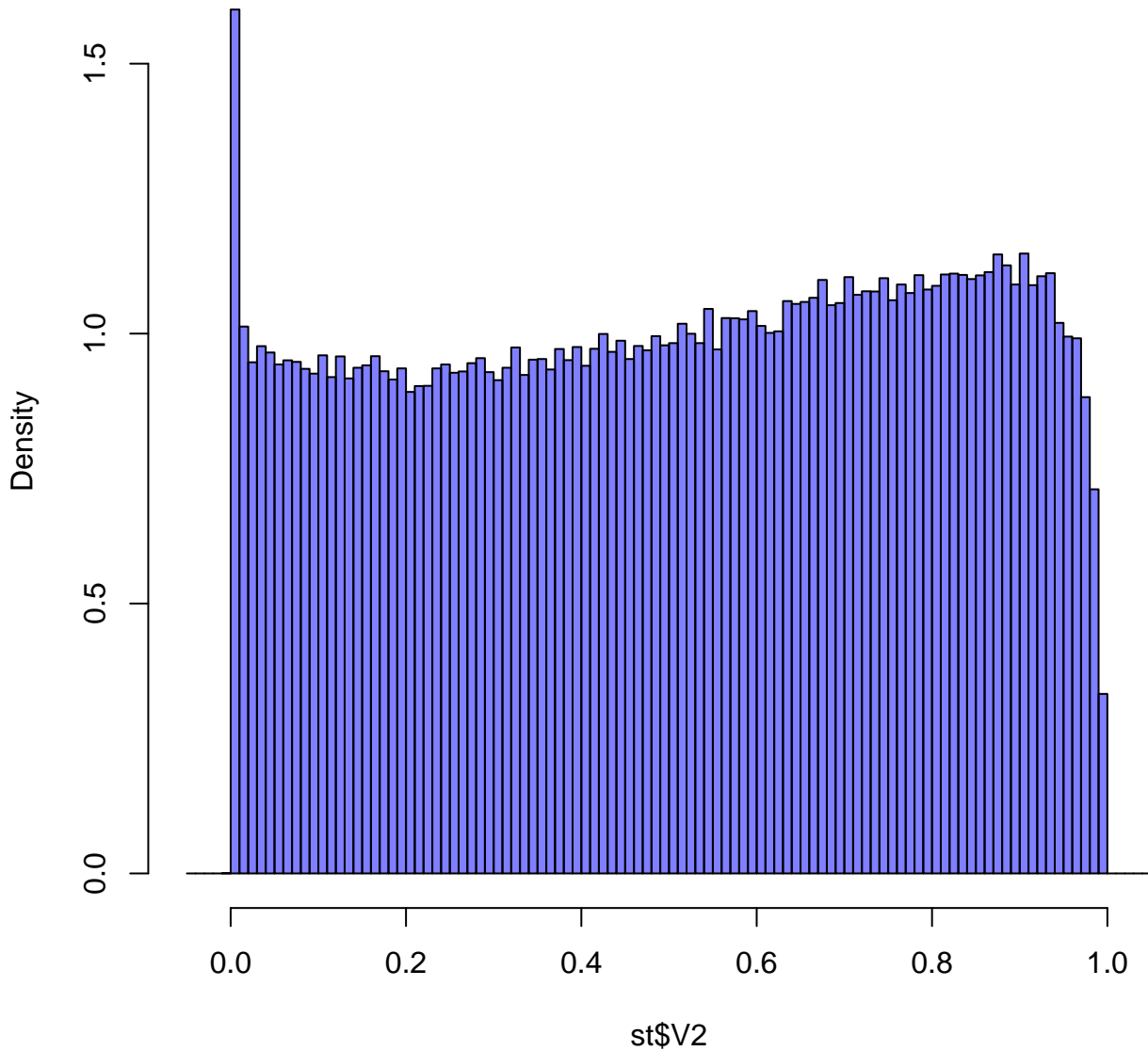
R<TYR>A<OH>



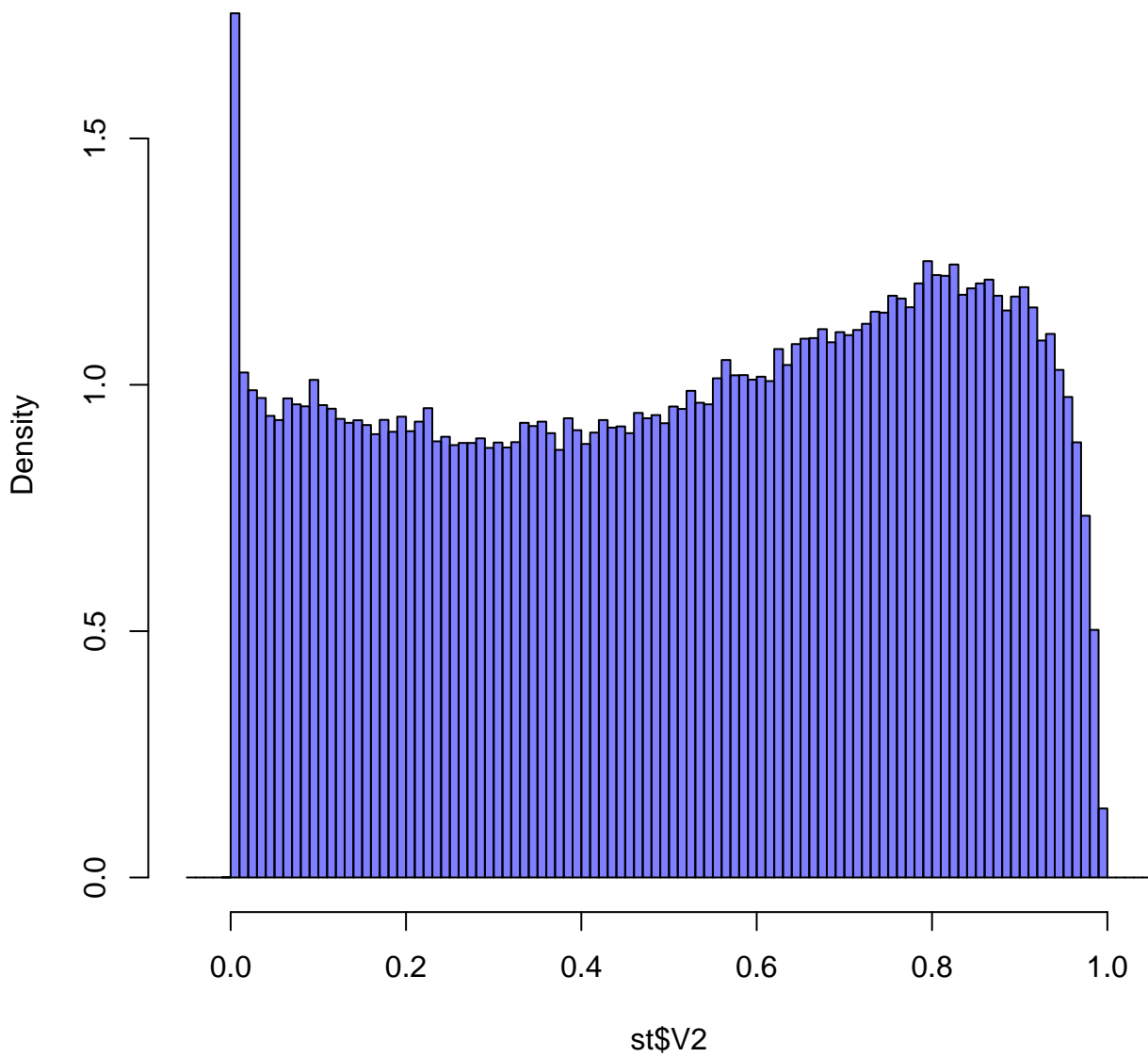
$R\langle VAL \rangle A\langle C \rangle$



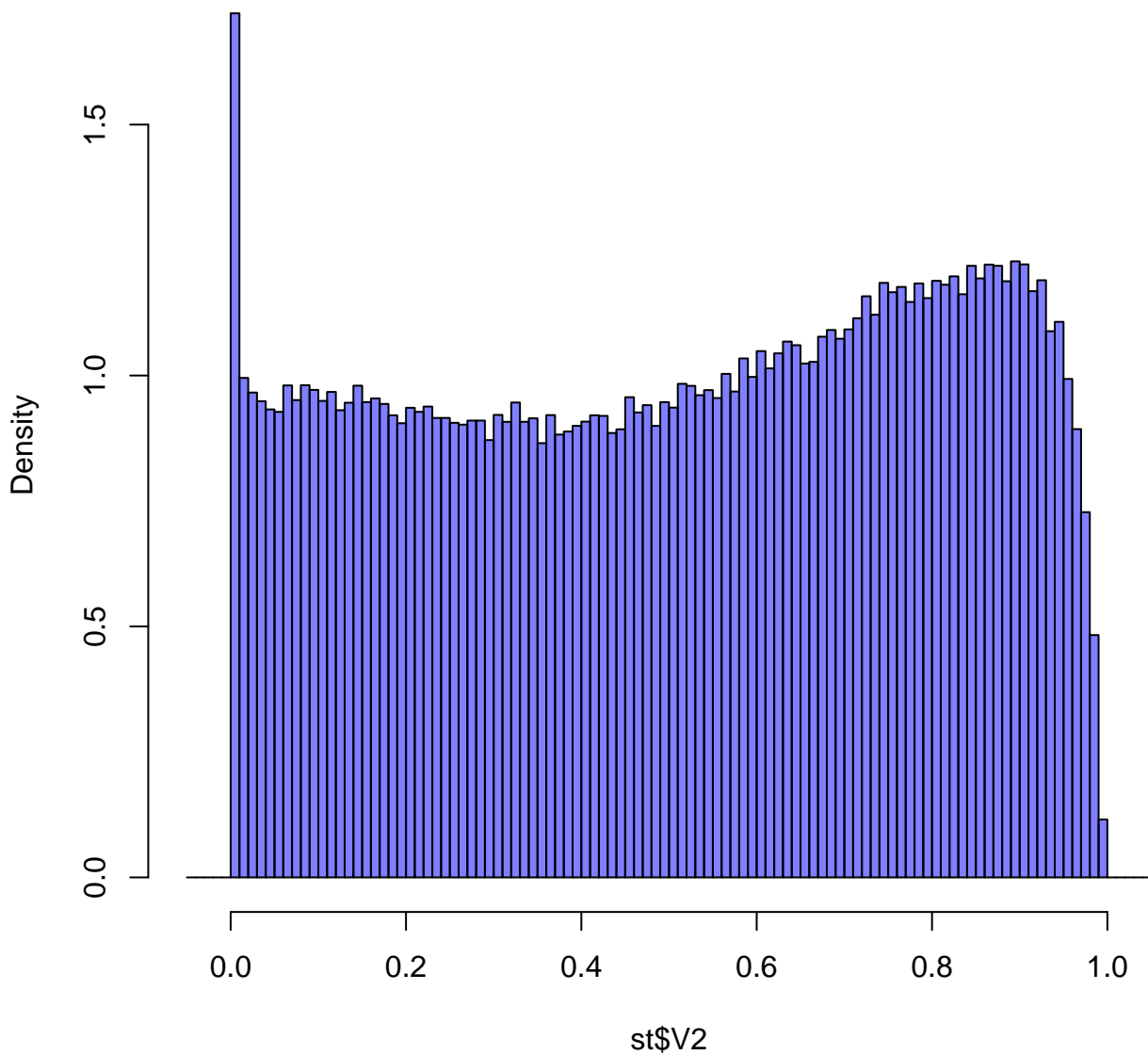
**R<VAL>A<CA>**



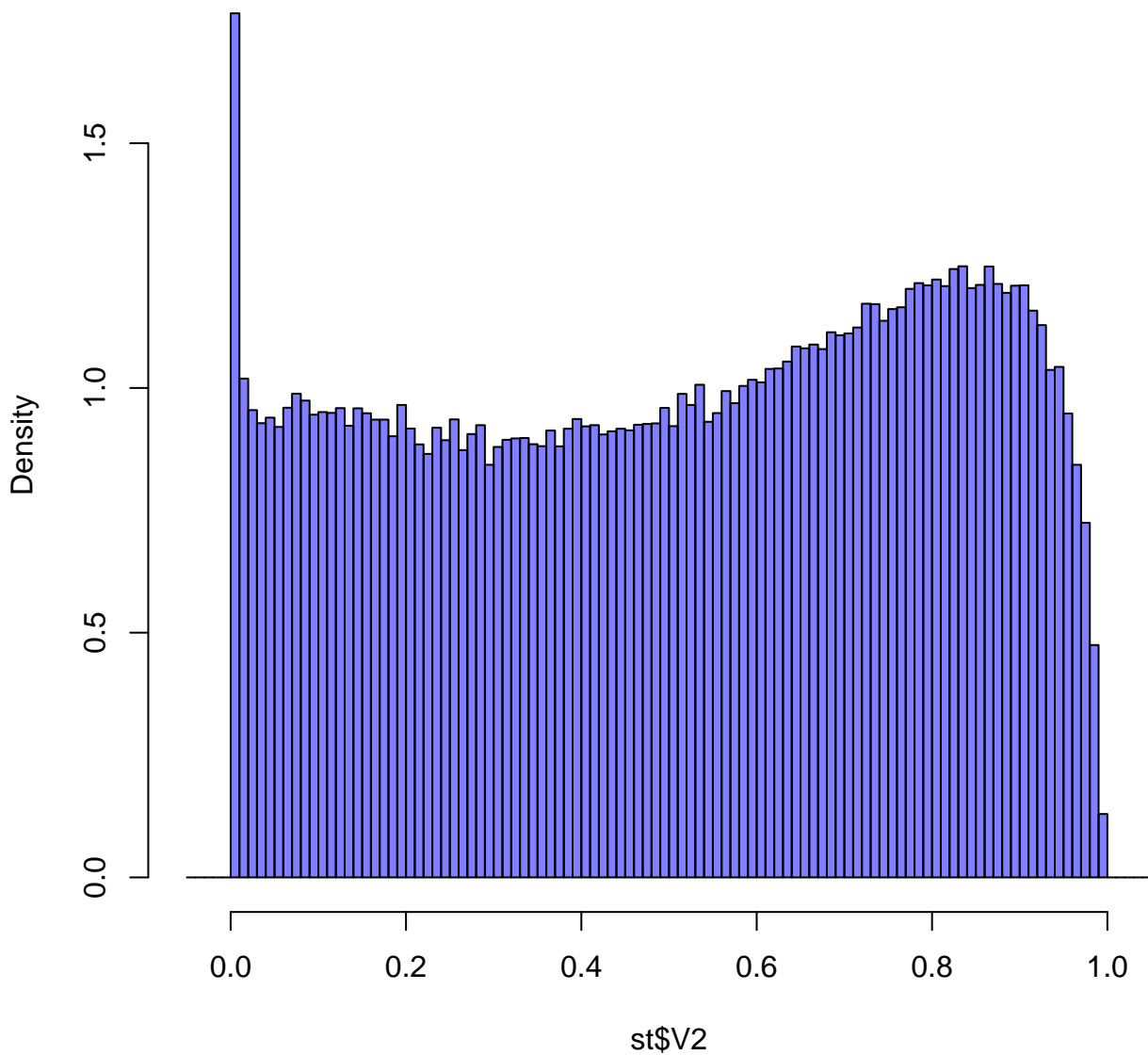
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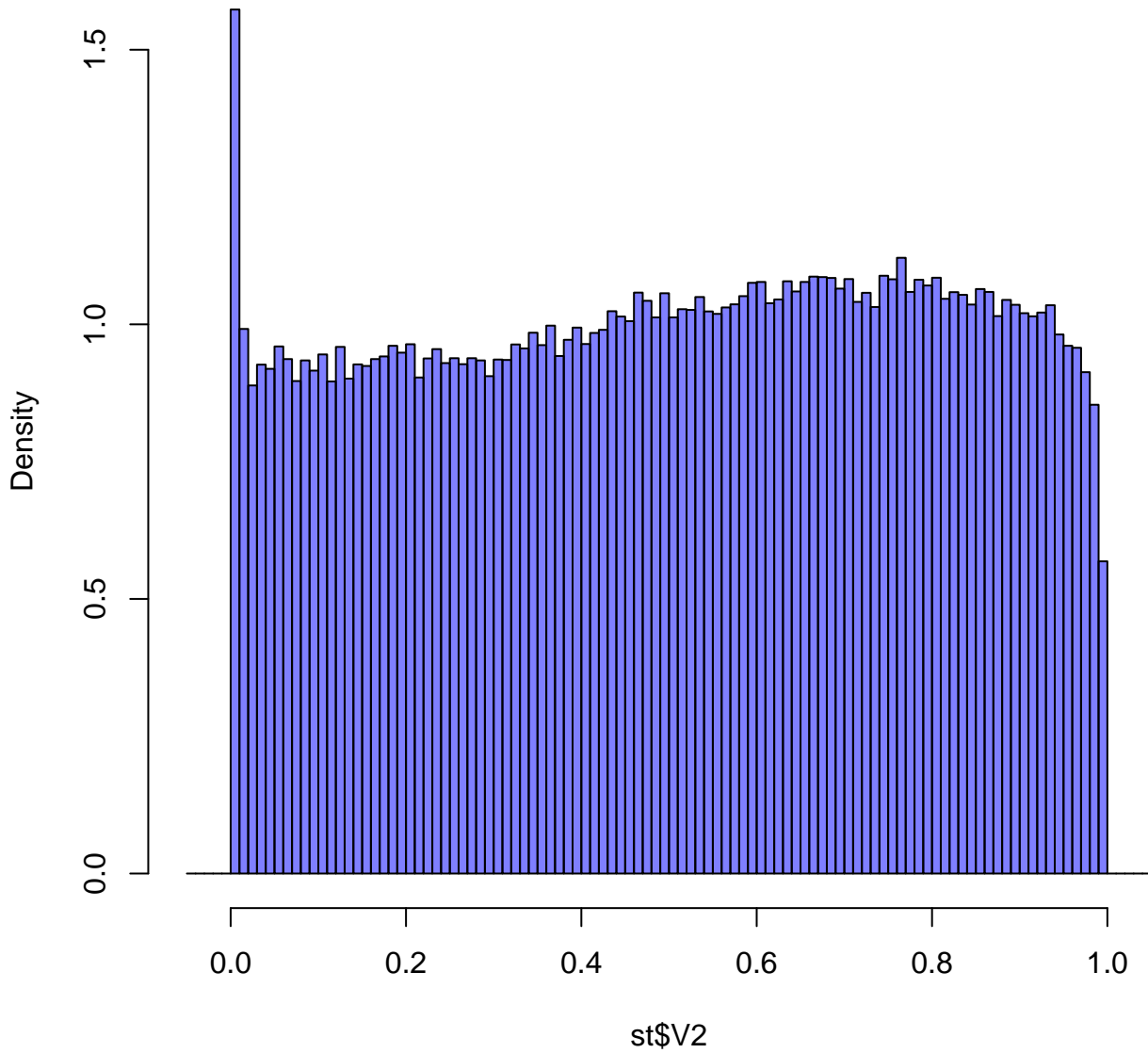
R<VAL>A<CG1>



R<VAL>A<CG2>



$R\langle VAL \rangle A\langle N \rangle$



R<VAL>A<O>

