

**Table S3. IgM V<sub>H</sub> amino-acid sequence of generated HBsAg-specific B cell clones.**

CLONES	-----FR1-----	---CDR1---	-----FR2-----	---CDR2---	-----FR3-----	---CDR3---	---FR4---	
<u>VH3-73</u>	EVQLVESGGGLVQPGGSLKLSCAAS	GFTFSGSA	MHWVRQASGKGLEWVGR	IRSKANSYAT	AYAASVK	GRFTISRDDSKNTAYLQMNSLKTEDTAVYYC	TR	WGQGLTVTVSS
<u>6β2-D4-3</u>	GGGLVQPGGSLKLSCAAS	GFTFSGSA	MHWVRQASGKGLEWVGR	IRSKANSYAT	AYAASVK	GRFTISRDDSKNTAYLQMNSLKTEDTAVYYC	TR <b>SRKSSSSDY</b>	WGQGLTVTVSS
<u>6β1-E3-10</u>	EVQLVESGGGLVQPGGSLKLSCAAS	GFTFSGSA	MHWVRQASGKGLEWVGR	IRSKANSYAT	AYAASVK	GRFTISRDDSKNTAYLQMNSLKTEDTAVYYC	TR <b>SRKSSSSDY</b>	WGQGLTVTVSS
<u>3β2-F2-2</u>	EVQLVESGGGLVQPGGSLKLSCAAS	GFTFSGSA	MHWVRQASGKGLEWVGR	IRSKANSYAT	AYAASVK	GRFTISRDDSKNTAYLQMNSLKTEDTAVYYC	TR <b>LSGRGVVDY</b>	WGQGLTVTVSS
<u>6β2-G11-6</u>	EVQLVESGGGLVQPGGSLKLSCAAS	GFTFSGSA	MHWVRQASGKGLEWVGR	IRSKANSYAT	AYAASVK	GRFTISRDDSKNTAYLQMNSLKTEDTAVYYC	TR <b>KSSSSDY</b>	WGQGLTVTVSS
<u>5β2-D5-5</u>	EVQLVESGGGLVQPGGSLKLSCAAS	GFTFSGSA	MHWVRQASGKGLEWVGR	IRSKANSYAT	AYAASVK	GRFTISRDDSKNTAYLQMNSLKTEDTAVYYC	TR <b>YSSSSWYFDY</b>	WGQGLTVTVSS
<u>γ5-8</u>	EVQLVESGGGLVQPGGSLKLSCAAS	GFTFSGSA	MHWVRQASGKGLEWVGR	IRSKANSYAT	AYAASVK	GRFTISRDDSKNTAYLQMNSLKTEDTAVYYC	TR <b>YSSSSWYFDY</b>	WGQGLTVTVSS
<u>γ6-7</u>	EVQLVESGGGLVQPGGSLKLSCAAS	GFTFSGSA	MHWVRQASGKGLEWVGR	IRSKANSYAT	AYAASVK	GRFTISRDDSKNTAYLQMNSLKTEDTAVYYC	TR <b>RGYYGSGSYG DY</b>	WGQGLTVTVSS
<u>5β1-E3-5</u>	EVQLVESGGGLVQPGGSLKLSCAAS	GFTFSGSA	MHWVRQASGKGLEWVGR	IRSKANSYAT	AYAASVK	GRFTISRDDSKNTAYLQMNSLKTEDTAVYYC	TR <b>RGYYGSGSYG DY</b>	WGQGLTVTVSS
<u>VH4-34</u>	QVQLQQWAGLLKPKSETLSLTCAVY	GGSFSGYY	WSWIRQPPGKGLEWIGE	INHSGST	NYNPSLK	SRVTISVDTSKNQFSLKLSVTAADTAVYYC	AR	WGQGLTVTVSS
<u>2β2-D6-11</u>	QVQLQQWAGLLKPKSETLSLTCAVY	GGSFSSYY	WSWIRQPPGKGLEWIGE	INHSGST	NYNPSLK	SRVTISVDTSKNQFSLKLSVTAADTAVYYC	AR <b>GFHY</b>	WGQGLTVTVSS
<u>VH3-30</u>	QVQLVESGGGVVQPGRSRLRLSCAAS	GFTFSSYG	MHWVRQAPGKGLEWVAV	ISYDGSNK	YYADSVK	GRFTISRDN SKNTLYLQMNSLRAEDTAVYYC	AR	WGQGLTVTVSS
<u>3β2-G1-7</u>	QVQLVESGGGVVQPGRSRLRLSCAAS	GFTFSSYG	MHWVRQAPGKGLEWVAV	ISYDGSNK	YYADSVK	GRFTISRDN SKNTLYLQMNSLRAEDTAVYYC	AR <b>KAVVDRARDGYNLGY</b>	WGQGLTVTVSS
<u>γ6-14</u>	PGRSLRLSCAAS	GFTFSSYA	MHWVRQAPGKGLEWVAV	ISYDGSNK	YYADSVK	GRFTISRDN SKNTLYLQMNSLRAEDTAVYYC	AR <b>GTYYGSGIGFDY</b>	WGQGLTVTVSS
<u>VH3-15</u>	EVQLVESGGGLVKPGGSLRLSCAAS	GFTFSNAW	MSWVRQAPGKGLEWVGR	IKSKTDGGTT	DYAAPVK	GRFTISRDDSKNTLYLQMNSLKTEDTAVYYC	TT	WGQGLTVTVSS
<u>2β2-H8-2</u>	EVQLVESGGGLVKPGGSLRLSCAAS	GFTFSNAW	MSWVRQAPGKGLEWVGR	IKSKTDGGTT	DYAAPVK	GRFTISRDDSKNTLYLQMNSLKTEDTAVYYC	TR <b>LINWGIRD</b>	WGQGLTVTVSS
<u>γ2-15</u>	GSLRLSCAAS	GFTFSNAW	MSWVRQAPGKGLEWVGR	IKSKTDGGTT	DYAAPVK	GRFTISRDDSKNTLYLQMNSLKTEDTAVYYC	TR <b>LINWGIRD</b>	WGQGLTVTVSS
<u>VH5-51</u>	EVQLVQSGAEVKKPGESLKISCKGS	GYSFTSYW	IGWVRQMPGKGLEWMGI	IYPGDSDT	RYSPSFQ	GQVTISADKSISTAYLQWSSLKASDTAMYYC	AR	WGQGLTVTVSS
<u>γ1-4</u>	EVQLVQSGAEVKKPGESLKISCKGS	GYSFTSYW	IGWVRQMPGKGLEWMGI	IYPGDSDT	RYSPSFQ	GQVTISADKSISTAYLQWSSLKASDTAMYYC	AR <b>HSEYIYDSSGYLDY</b>	WGQGLTVTVSS
<u>VH5-A</u>	EVQLVQSGAEVKKPGESLRISCKGS	GYSFTSYW	ISWVRQMPGKGLEWMGR	IDPSDSYT	NYSPSFQ	GHVTISADKSISTAYLQWSSLKASDTAMYYC	AR	WGQGLTVTVSS
<u>γ6-21</u>	EVQLVQSGAEVKKPGESLRISCKGS	GYSFTSYW	ISWVRQMPGKGLEWMGR	IDPSDSYT	RYSPSFQ	GHVTISADKSISTAYLQWSSLKASDTAMYYC	AR <b>HLREAVADFPMDY</b>	WG

The germ-line sequence is given for each V<sub>H</sub> family, with indication of framework regions (FR) and complementary determining regions (CDR). Highlighted amino-acids correspond to N-additions (in the CDR3 region) and somatic hyper-mutation events, whether it results in a silent mutation (green) or not (red). Clones with identical BCR sequences are grouped together.