

VHH	Sequence
TSF-1C5	QVQLQESGGGLVQAGGSLRLSCVAASGRTPSSVAMGWFRQAPGKQRELVAGISRGGTTNYL DSVKERFTISRDNKNTVYLQMNLIKPEDTAVYYCNAVDFLDRITNYWGRGTQVTVSSEPK TPKQPAAASGSLEQKLISEEDLNGAAHHHHHHGAA
TSF-1G5	QVQLVESGGDLVQPGGSLRLSCAASGIFSLNAVGVYRQAPGKQRELVARIMGGGTDYA DSVKGRFTISRDNKNTVYLQMNLIKPEDTAVYYCNARPVLTRLDYWGQGNQVTVSSAA ASGSLEQKLISEEDLNGAAHHHHHHGAA
TSF-1H5	QVQLVESGGGLVQPGGSLRLSCAASGSIFSINTMGWYRQAPGKPRELVATITRGAMINYAD SVQGRFTISRDNKNTVYLQMNLIKPEDTAVYYCNKGLQRTSLGIIRFDSWGGTRVTVS SAAASGSLEQKLISEEDLNGAAHHHHHHGAA
TSF-1F7	QVQLQESGGGLVQPGGSLRLSCAASGIFSLNAVGVYRQAPGKQRELVAIAGGGRT NYADSVKGRFTISRDNKNTVYLQMNLIKPEDTAVYYCNAKSPWNTIPYWGHTQVT VSSEPKTPKQPAAASGSLEQKLISEEDLNGAAHHHHHHGAA
TSF-1G11	QVQLQDSGGGLVQPGGSLRLSCAASGFTSSAMSVMWRQAPGKLEWVSSINKGGGITY ADSVKGRFTISRDNKNTVYLQMNLIKPEDTAVYYCAKSRFYGSLGAADYRGGGTQVT VSSEPKTPKQPAAASGSLEQKLISEEDLNGAAHHHHHHGAA

SUPPLEMENTARY FIG. S2. Amino acid sequence alignment of VHH targeting FRZB derived from nonimmune VHH library of BAC BV. Sequencing of the 8 isolated clones resulted in the identification of five unique clones against sFRP-3. The sequences of TSF-1F7 are highlighted in *bold*. FRZB, frizzled-related protein.