Supplemental Table 1. Characteristics of participants experiencing HBeAg seroreversion after treatment withdrawal.

ID	Study Arm	HBeAg at	HBeAg at	HBV	Time of	ALT	Time of	Grade 3+	Restart	Time of
		baseline	week 192	Genotype	HBeAg	Elevation	ALT	(5x ULN)	treatment	treatment
					seroreversion		elevation	ALT	after	restart since
					since		since	elevation	withdrawal	withdrawal
					withdrawal		withdrawal			(weeks)
					(weeks)		(weeks)			
1	TDF	Pos	Neg	C1	37	No		No	No	
2	TDF	Pos	Neg	A2	11	Yes	11	Yes	Yes	13.6
3	TDF	Pos	Neg	A2	11	Yes	11	No	No	
4	TDF+PegIFN	Pos	Neg	A1	15.6	Yes	18.4	Yes	No	
5	TDF+PegIFN	Pos	Neg	C1	9.1	Yes	9	Yes	Yes	9.1
6	TDF	Pos	Neg	B4	9	Yes	9	Yes	Yes	10

⁻⁻⁻ Not applicable

Supplemental Table 2. Association of ALT elevations with qHBsAg decline between TDF withdrawal (Week 192) and one year after withdrawal (Week 240)

	qHBsAg (log 10 IU/ml) change from withdrawal (week 192) to week 240 (negative values indicate decline)				
ALT elevation status	Least Square Mean	95% Lower	95% Upper		
1 None	-0.23	-0.45	-0.01		
2 ALT elevation but < 5 X ULN	-0.38	-0.61	-0.14		
3 ALT flare	-0.17	-0.39	0.04		
Pair-wise comparison of p-value					
1 vs 2	1 vs 2 0.38				
1 vs 3	0.72				
2 vs 3	0.22				

Supplemental Table 3. Factors associated with treatment restart (univariable analysis)

Variable	Hazard Ratio and 95% CI	Р				
Tenofovir vs. Tenofovir+ peg-interferon	1.41 (0.47,4.19)	0.54				
Female vs. Male	1.22 (0.40,3.74)	0.73				
Others vs. Asian	0.35 (0.05,2.67)	0.31				
Age at week 192 (per year)	1.03 (0.99,1.08)	0.18				
At study entry (pre-treatment)						
HBeAg at baseline (Positive vs. Negative)	3.60 (1.21,10.72)	0.02				
ALT at baseline (per ULN)	0.99 (0.92,1.08)	0.87				
HBV DNA Baseline (per log 10)	1.52 (1.04,2.24)	0.03				
qHBsAg Baseline (per log 10)	1.17 (0.55,2.52)	0.68				
At Treatment Withdrawal						
ALT at 192 (per ULN)	0.60 (0.18,1.98)	0.40				
HBV DNA 192 (per log 10)	1.06 (0.37,3.01)	0.91				
qHBsAg 192 (per log 10)	1.10 (0.60,2.05)	0.76				
qHBsAg decline from baseline to week 192 (per log 10)	0.99 (0.45,2.18)	0.98				

Supplemental Table 4. Association of pre-withdrawal factors with safe TDF withdrawal (no ALT flare, no treatment restart, and no transition to immune active phase one year after withdrawal)

Variable	Odds Ratio (95% CI)	P-value
Tenofovir+ peg-interferon vs. Tenofovir*	1.56 (0.65, 3.76)	0.32
Age at study entry (per year)	0.94 (0.90, 0.98)	0.01
HBeAg Baseline (Positive vs. Negative)	0.77 (0.27, 2.18)	0.62
ALT Baseline (X ULN)	0.98 (0.92, 1.04)	0.50
qHBsAg at week 192 (log ₁₀ IU/mL)		0.049
Within Tenofovir	1.39 (0.63, 3.06)	0.42
Within Tenofovir+ peg-interferon	0.49 (0.23, 1.00)	0.051

^{*}At the median value 2.91 log₁₀ IU/mL of qHBsAg at week 192