To Stake Support,

This document provides the results of an independent audit of Pump games played on Stake.us, using the seed and nonce values associated with provably fair mechanisms. Calculations were made using the standard formula:

HMAC_SHA256(serverSeed, clientSeed:nonce) -> first 13 hex digits -> float r -> popPoint = max(1, 1 / (1 - r))

None of the results from the actual log matched these values, suggesting a different method may be in use. Full data and comparisons are provided below.

Sincerely,

A Concerned User

Nonce	ClientSeed	ServerSeed	Hash	Logged	Calculated	Diff	Match
1	g-b335_ubf	deb4101e...	d2242614...	3.0	1.004775	1.995225	No
2	g-b335_ubf	deb4101e...	d2242614...	3.0	2.372382	0.627618	No
3	g-b335_ubf	deb4101e...	d2242614...	9.0	1.613014	7.386986	No
4	g-b335_ubf	deb4101e...	d2242614...	7.0	3.163002	3.836998	No
5	g-b335_ubf	deb4101e...	d2242614...	12.0	1.067674	10.932326	No
6	g-b335_ubf	deb4101e...	d2242614...	10.0	123.318625	113.318625	No
7	g-b335_ubf	deb4101e...	d2242614...	6.0	1.397793	4.602207	No
8	g-b335_ubf	deb4101e...	d2242614...	6.0	4.900672	1.099328	No
9	g-b335_ubf	deb4101e...	d2242614...	4.0	1.599944	2.400056	No
10	g-b335_ubf	deb4101e...	d2242614...	3.0	1.465416	1.534584	No
11	g-b335_ubf	deb4101e...	d2242614...	1.0	4.17335	3.17335	No
12	g-b335_ubf	deb4101e...	d2242614...	4.0	2.995442	1.004558	No
13	g-b335_ubf	deb4101e...	d2242614...	7.0	38.962613	31.962613	No
14	g-b335_ubf	deb4101e...	d2242614...	3.0	2.102239	0.897761	No
15	g-b335_ubf	deb4101e...	d2242614...	2.0	1.522249	0.477751	No
16	g-b335_ubf	deb4101e...	d2242614...	2.0	2.155144	0.155144	No
17	g-b335_ubf	deb4101e...	d2242614...	3.0	3.606138	0.606138	No
18	g-b335_ubf	deb4101e...	d2242614...	4.0	9.636526	5.636526	No

19	g-b335_ubf	deb4101e...	d2242614...	1.0	3.006018	2.006018	No
20	g-b335_ubf	deb4101e...	d2242614...	2.0	1.029728	0.970272	No
21	g-b335_ubf	deb4101e...	d2242614...	3.0	30.517934	27.517934	No
22	g-b335_ubf	deb4101e...	d2242614...	6.0	1.311421	4.688579	No
23	g-b335_ubf	deb4101e...	d2242614...	1.0	13.394853	12.394853	No
24	g-b335_ubf	deb4101e...	d2242614...	2.0	1.13113	0.86887	No
25	g-b335_ubf	deb4101e...	d2242614...	1.0	4.103355	3.103355	No