

**Table S1. Interlaboratory proficiency testing by positive and negative proficiency testing results**

LABORATORY	Proficiency testing HC2 results	HC2 results of origin		TOTAL	Analysis of agreement	
		NEGATIVE	POSITIVE			
A	NEGATIVE	37	4	41	Kappa	0.85
	POSITIVE	2	38	40		
	Total	39	42	81		
B	NEGATIVE	34	1	35	Kappa	0.92
	POSITIVE	2	40	42		
	Total	36	41	77		
C	NEGATIVE	38	2	40	Kappa	0.90
	POSITIVE	2	39	41		
	Total	40	41	81		
D	NEGATIVE	35	5	40	Kappa	0.88
	POSITIVE	0	43	43		
	Total	35	48	83		
E	NEGATIVE	23	4	27	Kappa	0.84
	POSITIVE	0	24	24		
	Total	23	28	51		
F	NEGATIVE	35	1	36	Kappa	0.90
	POSITIVE	3	39	42		
	Total	38	40	78		
G	NEGATIVE	38	0	38	Kappa	0.95
	POSITIVE	2	40	42		
	Total	40	40	80		
H	NEGATIVE	37	1	38	Kappa	0.90
	POSITIVE	3	38	41		
	Total	40	39	79		
I	NEGATIVE	37	2	39	Kappa	0.92
	POSITIVE	1	39	40		
	Total	38	41	79		
J	NEGATIVE	37	1	38	Kappa	0.97
	POSITIVE	0	39	39		
	Total	37	40	77		
K	NEGATIVE	35	1	36	Kappa	0.95
	POSITIVE	1	43	44		
	Total	36	44	80		
L	NEGATIVE	47	3	50	Kappa	0.88
	POSITIVE	3	47	50		
	Total	50	50	100		

TOTAL	NEGATIVE	433	25	458	Kappa	0.91
	POSITIVE	19	469	488		
	Total	452	494	946		

HC2: Hybrid Caputure 2. Kappa values: 0.00 to 0.20 slight agreement, 0.21 to 0.40 fair agreement, 0.41 to 0.60 moderate agreement, 0.61 to 0.80 substantial agreement, and 0.81 to 1.00 almost perfect agreement.

**Table S2. Interlaboratory proficiency testing by RLU categories of HC2 results**

LABORATORY	Proficiency testing HC2 results	HC2 results of origin				TOTAL	Analysis of agreement	
		RLU <0.5	0.5≤RLU <1	1≤RLU <10	RLU≥10			
A	RLU <0.5	23	8	3	0	34	Kappa 0.73  p-value 0.00	
	0.5≤RLU<1	0	6	1	0	7		
	1≤RLU <10	0	2	15	0	17		
	RLU≥10	0	0	2	21	23		
	Total	23	16	21	21	81		
B	RLU <0.5	20	5	0	1	26	Kappa 0.84  p-value 0.00	
	0.5≤RLU<1	0	9	0	0	9		
	1≤RLU <10	0	2	20	1	23		
	RLU≥10	0	0	0	19	19		
	Total	20	16	20	21	77		
C	RLU <0.5	17	7	0	0	24	Kappa 0.77  p-value 0.00	
	0.5≤RLU<1	3	11	2	0	16		
	1≤RLU <10	0	2	18	0	20		
	RLU≥10	0	0	0	21	21		
	Total	20	20	20	21	81		
D	RLU <0.5	24	6	1	0	31	Kappa 0.78  p-value 0.00	
	0.5≤RLU<1	1	4	4	0	9		
	1≤RLU <10	0	0	22	1	23		
	RLU≥10	0	0	0	20	20		
	Total	25	10	27	21	83		
E	RLU <0.5	14	5	4	0	23	Kappa 0.70  p-value 0.00	
	0.5≤RLU<1	1	3	0	0	4		
	1≤RLU <10	0	0	8	0	8		
	RLU≥10	0	0	1	15	16		
	Total	15	8	13	15	51		
F	RLU <0.5	21	5	0	0	26	Kappa 0.81  p-value 0.00	
	0.5≤RLU<1	1	8	1	0	10		
	1≤RLU <10	0	3	18	0	21		
	RLU≥10	0	0	1	20	21		
	Total	22	16	20	20	78		
G	RLU <0.5	18	6	0	0	24	Kappa 0.82	
	0.5≤RLU<1	2	12	0	0	14		
	1≤RLU <10	0	2	19	0	21		

	RLU $\geq$ 10	0	0	1	20	21	p-value	0.00
	Total	20	20	20	20	80		
H	RLU <0.5	18	8	0	0	26	Kappa	0.73
	0.5 $\leq$ RLU<1	2	9	1	0	12		
	1 $\leq$ RLU <10	0	3	17	1	21		
	RLU $\geq$ 10	0	0	1	19	20	p-value	0.00
	Total	20	20	19	20	79		
I	RLU <0.5	20	6	1	0	27	Kappa	0.83
	0.5 $\leq$ RLU<1	0	11	1	0	12		
	1 $\leq$ RLU <10	0	1	17	0	18		
	RLU $\geq$ 10	0	0	1	21	22	p-value	0.00
	Total	20	18	20	21	79		
J	RLU <0.5	19	11	1	0	31	Kappa	0.74
	0.5 $\leq$ RLU<1	0	7	0	0	7		
	1 $\leq$ RLU <10	0	0	18	2	20		
	RLU $\geq$ 10	0	0	1	18	19	p-value	0.00
	Total	19	18	20	20	77		
K	RLU <0.5	24	6	1	0	31	Kappa	0.84
	0.5 $\leq$ RLU<1	0	5	0	0	5		
	1 $\leq$ RLU <10	0	1	20	1	22		
	RLU $\geq$ 10	0	0	0	22	22	p-value	0.00
	Total	24	12	21	23	80		
L	RLU <0.5	25	8	0	0	33	Kappa	0.79
	0.5 $\leq$ RLU<1	0	14	3	0	17		
	1 $\leq$ RLU <10	0	3	21	1	25		
	RLU $\geq$ 10	0	0	1	24	25	p-value	0.00
	Total	25	25	25	25	100		
TOTAL	RLU <0.5	243	81	11	1	336	Kappa	0.79
	0.5 $\leq$ RLU<1	10	99	13	0	122		
	1 $\leq$ RLU <10	0	19	213	7	239		
	RLU $\geq$ 10	0	0	9	240	249	p-value	0.00
	Total	253	199	246	248	946		

HC2: Hybrid Caputure 2, RLU: relative light unit. Kappa values: 0.00 to 0.20 slight agreement, 0.21 to 0.40 fair agreement, 0.41 to 0.60 moderate agreement, 0.61 to 0.80 substantial agreement, and 0.81 to 1.00 almost perfect agreement.