

**Table S.4. Assembly statistics of each sample by organ species and habitat.** The minimal length of contigs for assembly is 200 bp. Table shows number of contigs, the total length obtained after assembly, the maximum contigs length, the average contigs length and the N50 (length of the contig at 50% of the total length). The total, mean and median of all assembly statistics are indicated at the end of the table. The minimum and maximum values of each statistics are given in bold.

**k** : Kidney; **r** = spleen; **s** = serum; **P.guy.PF**: *Proechimys guyannensis* from Pristine forest, **P.guy.DF**: *Proechimys guyannensis* from Disturbed forest, **P.cuv.PF**: *Proechimys cuvieri* from Pristine forest, **P.cuv.DF**: *Proechimys cuvieri* from Disturbed forest, **Oaui\_DF** : *Oecomys auyantepui* from Disturbed forest, **Obic\_DF** : *Oecomys bicolor* from Disturbed forest, **H.meg.PF**: *Hylaeamys megacephalus* from Pristine forest, **H.meg.DF**: *Hylaeamys megacephalus* from Disturbed forest, **Hyun\_DF** : *Hylaeamys yunganus* from Disturbed forest, **Z.bre.SV**: *Zygodontomys brevicauda* from savannah, **Z.bre.DF**: *Zygodontomys brevicauda* from Disturbed forest, **Z.bre.PU**: *Zygodontomys brevicauda* from Peri-Urban areas.

Sample ID	contigs	Total length	Max contig length	Average contig length	N50
k_Pguy_PF	323,113	124,796,901	13,364	386	376
k_Pguy_DF	143,955	55,645,824	23,457	387	378
k_Pcuv_PF	267,539	98,918,691	5,530	370	373
k_Pcuv_DF	88,325	37,294,420	25,889	422	404
k_Oaui_DF	225,793	83,516,641	12,193	370	375
k_Obic_DF	31,337	10,364,233	5,282	331	<b>312</b>
k_Hmeg_PF	285,067	100,529,472	<b>3,302</b>	353	346
k_Hmeg_DF	53,664	18,126,365	5,527	338	318
k_Hyun_DF	159,779	57,332,105	5,527	359	365
k_Zbre_PU	181,251	63,769,797	5,801	352	364
k_Zbre_DF	56,113	21,634,921	<b>430,386</b>	386	320
k_Zbre_SV	<b>25,215</b>	<b>8,550,895</b>	8,611	339	312
r_Pguy_PF	330,777	121,001,588	5,316	366	366
r_Pguy_DF	231,108	85,463,485	6,113	370	368
r_Pcuv_PF	124,874	61,603,770	61,880	493	445
r_Pcuv_DF	267,976	128,197,750	28,919	478	442
r_Oaui_DF	184,913	69,280,188	20,011	375	372
r_Obic_DF	67,976	22,436,584	4,581	<b>330</b>	314
r_Hmeg_PF	282,402	97,531,492	5,527	345	340
r_Hmeg_DF	53,117	18,019,878	5,527	339	317
r_Hyun_DF	159,882	56,455,917	11,052	353	356
r_Zbre_PU	176,663	61,235,823	7,529	347	358
r_Zbre_DF	59,922	20,212,433	6,526	337	317
r_Zbre_SV	79,251	26,444,484	5,527	334	315
s_Pguy_PF	56,461	22,848,566	26,375	405	402
s_Pguy_DF	54,835	20,650,944	35,452	377	379

<b>s_Pcuv_PF</b>	86,555	35,480,275	25,400	410	412
<b>s_Pcuv_DF</b>	<b>347,957</b>	<b>130,212,578</b>	26,110	374	368
<b>s_Oauy_DF</b>	71,707	28,278,856	6,029	394	416
<b>s_Obic_DF</b>	103,205	60,641,996	91,235	<b>588</b>	<b>533</b>
<b>s_Hmeg_PF</b>	75,533	32,244,906	50,954	427	411
<b>s_Hmeg_DF</b>	70,539	30,442,191	42,743	432	419
<b>s_Hyun_DF</b>	258,141	124,081,961	17,327	481	479
<b>s_Zbre_PU</b>	87,791	33,009,025	92,987	376	378
<b>s_Zbre_DF</b>	103,974	37,981,911	17,599	365	363
<b>s_Zbre_SV</b>	91,402	34,782,756	40,679	381	377
TOTAL	<b>5,268,112</b>	<b>2,039,019,622</b>	-	-	-
MEAN	<b>146,336</b>	<b>56,639,434</b>	<b>32,952</b>	<b>385</b>	<b>375</b>
MEDIAN	<b>103,590</b>	<b>46,813,868</b>	<b>12,779</b>	<b>372</b>	<b>370</b>