

TABLE DR-1. Normalized point-count modal data, Kaiparowits Formation, Kaiparowits basin, and upper part of Mesaverde Group (Neslen Formation, Bluecastle Tongue of Castlegate Sandstone, Farrer and Tuscher formations, Uinta basin)

Sample	QtFL%			QmFL%			QpLvLsm%			LmLvLs%		
	Qt	F	L	Qm	F	Lt	Qp	Lvm	Lsm	Lm	Lv	Ls
<b>Kaiparowits Formation</b>												
KK-04-07	37	23	40	22	24	54	29	23	48	8	30	62
88UT6	17	24	59	13	24	63	6	42	52	5	45	50
UT82TL24	22	16	62	15	16	68	9	54	37	4	57	39
KK-05-07	35	20	45	14	20	66	33	22	45	3	31	66
KK-06-07	32	19	49	16	19	65	24	28	48	3	36	61
88UT1	18	13	68	16	13	71	4	39	57	0	41	59
KK-02-07	28	20	53	17	20	64	18	26	57	5	30	65
598BW03	45	12	43	36	12	52	16	37	47	1	44	55
99WA1	24	8	68	18	8	74	8	35	57	2	36	62
KK-01-07	38	13	49	30	13	57	14	14	72	4	15	81
MEAN	30	17	54	20	17	63	16	32	52	4	37	60
STANDARD DEVIATION	9	5	10	8	5	7	10	12	9	2	11	11
<b>Mesaverde Group</b>												
<b>Tuscher Formation</b>												
<b>Range Creek Section</b>												
UT81TL75	71	16	13	54	16	30	56	0	44	NA	NA	NA
UT81TL73	71	11	17	55	11	33	48	2	51	NA	NA	NA
UT81TL71	69	11	20	53	11	36	46	8	46	4	15	81
UT81TL70	64	14	22	45	14	41	47	16	37	11	30	59
<b>Green River Section</b>												
NF-53	53	17	30	37	17	46	38	31	31	6	50	44
UT81TL156	96	2	2	80	2	18	NA	NA	NA	NA	NA	NA
NF-55	64	18	18	55	18	27	NA	NA	NA	NA	NA	NA
NF-52	59	18	23	49	18	23	30	37	33	3	53	43
MT-09-07	57	26	17	39	26	35	NA	NA	NA	NA	NA	NA
UT81TL155	52	21	27	46	21	33	17	62	22	4	74	22
NF-51	63	13	25	44	13	43	42	27	30	4	47	48
NF-49	61	15	24	51	15	34	30	32	38	17	45	38
UT81TL154	53	23	25	46	23	32	21	19	60	11	24	65
NF-48	59	21	20	54	21	25	19	27	54	10	33	56
MT-01-07	47	25	28	37	25	38	27	38	35	4	50	46
MEAN	63	17	21	50	17	33	35	25	40	7	42	50
STANDARD DEVIATION	12	6	7	10	6	8	13	17	11	5	17	16
<b>Farrer Formation</b>												
<b>Range Creek Section</b>												
UT81TL69	61	18	21	48	18	34	39	5	56	11	8	81
UT81TL68	55	20	25	41	20	39	36	19	45	14	29	57
UT81TL67	60	22	18	40	22	38	NA	NA	NA	NA	NA	NA
UT81TL66	52	25	22	31	25	44	48	7	44	15	14	71
<b>Green River Section</b>												
NF-46	55	15	30	40	15	45	35	40	25	7	61	32
NF-45	54	16	30	44	16	40	26	27	47	5	37	58
NF-43	43	22	35	35	22	43	18	60	22	11	73	16
UT81TL153	42	9	48	26	9	64	25	39	36	11	52	37
MF-04-07	49	15	36	33	15	52	31	28	41	5	38	57
NF-42	52	18	30	39	18	43	31	23	46	10	33	57
NF-40	37	16	47	27	16	57	17	46	37	5	56	39
MF-06-07	53	16	31	40	16	44	31	23	46	2	32	66
MEAN	51	18	31	37	18	45	31	29	40	9	39	52
STANDARD DEVIATION	7	4	9	7	4	8	9	16	10	4	20	19
<b>Bluecastle Tongue of Castlegate Sandstone</b>												
<b>Range Creek Section</b>												
UT81TL65	93	0	7	90	0	10	NA	NA	NA	NA	NA	NA
UT81TL64	99	0	1	97	0	3	NA	NA	NA	NA	NA	NA
<b>Green River Section</b>												
NF-35	99	1	0	96	1	3	NA	NA	NA	NA	NA	NA
NF-34	100	0	0	97	0	3	NA	NA	NA	NA	NA	NA
MB-10-07	99	1	0	97	1	2	NA	NA	NA	NA	NA	NA
NF-33	92	2	6	88	2	10	NA	NA	NA	NA	NA	NA
NF-32	100	0	0	97	0	3	NA	NA	NA	NA	NA	NA
NF31	93	1	6	79	1	20	NA	NA	NA	NA	NA	NA
MEAN	97	1	3	93	1	7	NA	NA	NA	NA	NA	NA
STANDARD DEVIATION	3	1	3	7	1	7	NA	NA	NA	NA	NA	NA
<b>Neslen Formation</b>												
MN-07-07	64	4	32	63	4	32	3	1	96	0	2	98
MN-08-07	77	7	16	73	7	20	NA	NA	NA	NA	NA	NA
NF-24	77	5	18	67	5	28	NA	NA	NA	NA	NA	NA
MEAN	73	5	22	68	5	27	NA	NA	NA	NA	NA	NA
STANDARD DEVIATION	8	2	9	5	2	6	NA	NA	NA	NA	NA	NA