

Supplementary Materials

Title: DNA of Music: Identifying relationships among different versions of the composition Sadhukarn from Thailand, Laos and Cambodia using multivariate statistics

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Appendix III: Average degree for each phrase of all six elemental music parameters.

Figure S1. Average degree for each phrase of rhyme structure

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
TF	2.5	2.6	3.4	2.6	3.6	3.4	3.3	3	2.8	3.1	2.6	3.3	3.3	3	2.8	4.3	2.2	2.6	3.5	2.8	2.7	3.3	2.4	3.6	2.8	1.9	2.6	3.3	3.1	4	3.9	2.7	2.4
TB	2.8	2.7	3.4	3.9	3.6	2.9	3	3.2	2.6	3.1	3.8	3.3	3.3	4.3	3.5	3.4	4.6	3.1	2.9	2.6	2.7	3.5	2.5	3	2.8	1.9	2.7	3.3	3.1	2.4	3.9	4.1	3.2
TS1	2.8	2.6	3.4	2.3	2.7	3.1	2.8	2.8	2.5	3.6	2.6	2.4	3.2	2.6	2.6	3.8	2.4	2.7	2.9	2.4	2.7	3.8	2.6	2.7	3	1.5	2.9	5.1	3.2	3.1	3.4	2.4	2.9
TP1	2.4	2.7	3.4	3.9	3.1	3.6	2.9	2.9	3.1	3.1	3.8	2.7	3.3	4.3	2.9	3.6	4.1	2.7	2.9	2.9	2.7	4.3	2.6	3	2.8	1.9	2.7	5.1	2.7	4	3.6	3.9	2.3
TK	2.4	2.7	3.6	3.9	3.2	3.6	2.9	2.9	3.1	3.5	3.8	2.8	3.1	4.3	3	3.1	4.1	2.7	2.8	2.9	2.7	4.3	2.6	3	3.7	1.9	2.6	3.3	3.1	2.4	3.7	3.9	2.4
TC	2.8	2.7	3.4	3.5	3.4	4.3	3	3.3	2.6	3.1	3.4	3	3.3	3.9	3.3	3.8	3	3.1	2.9	2.7	2.7	3.8	2.8	3	2.8	1.9	2.6	3	3.2	2.4	3.9	3.7	2.8
TD	2.4	2.7	3.8	3.9	3.2	2.9	2.8	2.8	2.8	3.1	3.8	2.8	3.4	4.3	2.9	3.6	2.6	2.8	2.9	3.4	2.7	3.9	2.5	2.6	2.8	1.9	2.7	5.1	3.1	4	3.8	3.9	2.4
TP	2.4	2.6	3.1	3.9	3.8	3.1	2.8	2.8	2.8	3.1	3.8	2.9	2.7	4.3	3.1	4.3	4.2	2.8	2.9	2.8	2.7	3.4	2.5	3	3.7	1.5	2.9	3.8	3.1	2.4	3.6	3.9	2.6
TT	2.4	2.6	3	2.3	3.2	2.8	2.8	2.8	3.1	3.5	2.2	2.8	3.1	2.6	3	4.3	3.3	2.6	2.9	2.6	2.7	4.6	2.8	3.3	4.3	1.9	2.9	5.1	3.1	3.3	3.8	2.7	2.4
TP2	2.4	3.3	3.6	3.9	3.2	3.6	2.9	2.9	3.1	3.5	3.8	2.8	3.1	4.3	3	3.1	4.1	2.8	2.8	2.9	2.7	4.2	2.6	3	3.7	1.9	2.6	3.3	3.1	2.5	3.7	3.9	2.4
TR	2.4	2.6	3.1	2.4	3.4	4.2	2.8	2.8	2.5	3.1	2.4	3.4	3.1	2.8	3.6	4.3	3.3	2.6	2.9	2.4	2.7	3.3	2.8	3.1	3.9	1.9	2.6	3.9	2.9	3.4	2.9	2.6	3.1
TN	2.4	3	2.9	3.9	3.1	3.5	2.8	3.8	3.1	3.1	3.8	2.7	3.1	4.3	2.9	3.4	4.4	2.8	3.4	2.7	2.7	3.4	2.6	2.7	3.9	1.8	2.8	2.6	3.1	2.4	4.2	3.9	2.5
TW	2.8	2.6	3.4	3.9	3.7	2.9	3.3	3.3	2.6	3.1	3.8	3.3	3.3	4.3	3.5	3.4	4.6	3	2.9	2.6	2.7	3.5	2.5	3	2.8	1.9	2.6	3.3	3.1	2.4	3.9	4.1	3.1
TS2	2.8	2.6	3.3	2.4	2.9	3.1	2.4	2.8	2.5	3.6	2.5	2.6	3.2	2.6	2.8	3.8	2.3	2.7	2.9	2.4	2.7	3.9	2.6	2.7	3	1.5	2.9	5.1	3.2	3	3.4	2.6	3.1
TJ	2.4	3.3	2.8	3.9	3.8	3.6	2.8	2.8	3.1	3.1	3.8	3.4	2.6	4.3	3.6	4.3	4.6	2.7	2.8	2.4	2.7	4.3	2.6	3.1	2.8	1.8	3	3.6	3	3.6	4.2	4.1	3.1
TTD	1.8	1.8	1.5	1.4	1.8	1.6	1.8	1.8	1.3	2.1	1.4	1.6	1.3	1.6	1.8	1.9	1.4	1.6	1.6	1.3	1.1	2.2	1.6	2.1	2.6	2.3	1.6	1.1	1.4	2.4	2.1	1.4	1.9
KS1	2.9	2.7	3.1	3.5	2.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KS2	3.1	3.2	3.1	3.4	3.3	2.9	2.5	2.7	2.6	2.5	3.4	2.9	4.4	1.8	3.5	3.1	4.4	3.8	3.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KR	1.7	3.9	2.9	2.6	3.9	3.9	2.7	2.8	2.6	2.8	2.6	3	2.5	3	3.3	3.9	3.8	2.4	2.8	2.2	2.4	3.5	2.9	2.9	3.6	3.1	3.1	3.6	2.9	3.1	4.4	3.8	3.7
KWR	3.6	2.6	3.6	2.4	3.3	4.1	2.9	3.1	3.6	2.3	2.4	2.9	3.1	2.8	3.1	3.9	4.6	2.9	3.5	2.6	2.4	4.2	2.9	3.1	4.4	2.9	3.1	5.6	3.1	2.9	2.7	3.8	2.6
IP	2.7	2.7	4.8	3.3	3.1	2.7	3.2	3.1	3.1	2.8	3.2	2.8	3.9	3.6	3.1	3.4	5.1	3.1	3.5	2.7	2.4	3.6	2.6	3.5	3.3	2.9	3.4	2.8	3.5	2.9	2.9	3.3	3.3
IN	3.5	4.1	4.9	3.6	3.8	2.4	2.6	3	2.4	2.3	3.2	2.9	3.6	4.2	3.3	3.2	5.1	2.8	2.8	2.4	2.6	3.8	2.8	3.3	3.5	3.3	3.2	3.3	3.7	0.8	3.8	3.6	3.5
LB1	1.5	2	2.4	2.4	2.3	2.8	1.9	1.8	2	1.9	2.3	1.8	2.1	2.8	2.1	2.6	2.7	1.5	1.9	1.8	1.6	2.1	1.8	2.1	2.5	2	1.6	4.3	1.9	1.9	1.9	2.6	2.1
LB2	1.5	2	2.4	2.4	2.3	2.8	1.9	1.8	2	1.9	2.3	1.8	2.1	2.8	2.1	2.6	2.7	1.5	1.9	1.8	1.6	2.1	1.8	2.1	2.5	2	1.6	4.3	1.9	1.9	1.9	2.3	3.4
LB3	2.9	3.2	3.8	3.9	3.8	4.1	3.7	3.1	3.3	3.2	3.9	3.4	3.5	4.3	3.6	4.3	4.1	2.9	3.2	3.1	2.4	3.8	3.1	3.5	3.9	3.3	2.9	5.6	3.8	2.7	4.2	4	3.4
LY	3.7	3.9	3	3.9	3.7	3.8	3.2	2.9	3	2.8	3.8	3.3	2.8	4.3	3.5	3.7	4.7	3.7	3.5	3.4	2.9	3.7	2.4	3.3	3.6	2.9	3.9	4.4	0	0	0	4	3.6

Figure S2. Average degree for each phrase of Look Tok (pillar tone)

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
TF	3.3	2.8	3	2	2.8	3	2.3	3.3	2.5	3	2	2	2.8	2.5	3	3.5	2.3	2.8	3.8	2.3	2.5	2.3	3.3	2.3	2.5	2.5	2.8	4.3	2.8	3.5	3.8	2.5	2.8
TB	3.8	2.8	3	2.8	2.8	2.5	2.8	3.3	2.8	3	2.8	2	2.8	3.3	2.3	3.5	4	3	3.3	2.3	2.5	2.5	3.3	2.3	2.5	2.5	3.8	4.3	3	2.5	3.8	3	2.5
TS1	3.8	2.8	3	2	3	3.8	2.8	2.5	2.5	3.5	2	2.3	2.8	2.5	2.5	3.3	2.8	2.8	3.3	2.5	2.5	3.8	3.3	3.3	3	2.5	2.5	4.8	3	1.8	3.5	2.5	3.3
TP1	3.3	2.8	3	2.8	3.8	4	2.5	3	2.3	3	2.8	2.8	2.8	3.3	3	2.8	4.5	2.8	3.3	2.3	2.5	3.3	3.3	2.3	2.3	2.5	3.5	4.8	3	3.5	4	3.3	2.5
TK	3.3	2.3	1.8	2.8	2.8	4	2.5	3	2.3	3.5	2.8	2	1.8	3.3	2.8	3.8	4.5	2.8	3.3	2.3	2.5	3.8	3.3	2.3	3.3	2.5	3.5	4.3	3	2.5	3.8	3.3	2.5
TC	3.8	2.8	3	2.5	3.8	4	2.8	3.3	2.8	3	2.5	2	2.8	3.3	3	3.3	2.5	3	3.3	2.3	2.5	3	2.3	2.3	3.3	2.5	2.8	4.3	3	2.5	3.8	2.5	2.5
TD	3.3	2.8	3	2.8	2.8	2.3	2.8	2.5	2.5	3	2.8	2	2.8	3.3	3	3.5	3.3	2.8	3.3	2.8	2.5	3	3.3	2.8	2.3	2.5	3.5	4.8	3	2.5	3.5	3.3	2.5
TP	2.5	2.8	1.8	2.8	2.8	3.8	2.5	2.5	2.5	3	2.8	2.5	1.8	3.3	2.8	3.5	4	2.8	3.3	2.3	2.5	3.3	3.3	2.3	3.3	2.5	2.5	4.3	3	2.5	3.5	3.3	3
TT	3.5	2.8	3	2	2.8	4	2.8	2.5	2.5	3	2	2	1.8	2.5	2.3	3.5	2.5	2.8	3.3	2.3	2.5	2	2.3	2.8	4.3	2.5	3.5	4.8	2.8	2.3	3.8	2.3	2.5
TP2	3.3	2.3	1.8	2.8	2.8	4	2.5	3	2.5	3.5	2.8	2	1.8	3.3	2.3	4.3	4.5	2.8	3.3	2.5	2.5	3.8	3.3	2.3	3.3	2.5	3.5	4.3	3	2.5	3.8	3.3	2.5
TR	3.5	2.8	2.5	2	3	4	2.8	2.5	2.8	3	2	2	2	2.5	2.3	3.5	2.3	2.8	3.3	2.8	2.5	3.3	3.3	2.3	2.3	2.5	3.5	4.5	4.3	3.3	2.5	2.5	2
TN	3.5	2.3	2.8	2.8	3.8	3	2.8	2.3	2.3	3	2.8	2.8	1.8	3.3	3	3	4	2.5	3.8	2	2.5	3.8	3.3	3	2.3	2.5	3.3	1.8	2.8	2.5	3.8	3.3	2
TW	3.8	2.8	3	2.8	2.8	2.3	2.3	3.3	2.5	3	2.8	2	2.8	3.3	2.3	3.3	4	3	3.3	2.3	2.5	2.5	3.3	2	2.3	2.5	3.5	4.3	2.8	2.5	3.8	3	2.5
TS2	3.8	2.8	3.3	2	3.3	3.8	2.8	2.5	2.8	3.5	2	2.5	2.8	2.5	2.8	3.3	3.3	2.8	3.3	2.5	2.5	3.8	3.3	3.3	3	2.5	2.5	4.8	3	2	3.5	2.5	3.5
TJ	3.3	2.3	2.5	2.8	2.8	4	2.8	2.5	2.3	3	2.8	2	2.3	3.3	2.3	3.5	4	2.8	3.3	2.5	2.5	2.5	3.3	2.5	2.3	2.5	3.5	4.3	4.3	3	3.8	3	2.5
TTD	2.5	2.5	3	2	4.3	2.5	2.5	2	3.5	3.3	2	3.3	2.3	2.5	3.8	3.3	2.8	2.3	3.3	2.8	1.8	3.3	2.8	2.5	5.5	4.3	4.8	3.3	2.5	4	5	2.5	2.8
KS1	3.3	2.5	2	3.3	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KS2	3.5	4.3	2.3	3.3	3.8	4.8	2.8	2.5	3.8	2.8	3.5	3	4	2.8	4	5	5	3.3	2.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KR	2.5	3.5	1.8	2.5	3.8	3.8	2.5	2.3	2.3	3	2.5	2.8	1.8	3	2.8	2.5	2.3	2.5	3.3	2.3	2.8	3.5	2.3	2.3	4.8	3.5	3.5	5.5	3	1.8	5.5	3	2.5
KW	4.3	2.8	1.8	2	2.8	4.8	2.8	2.5	2.3	1.5	2	2	1.8	2.5	2.3	3.5	4	2.8	3.8	2.8	2.5	3.3	3.8	2.5	4.5	2.5	4.3	4.8	3.3	1.8	3.5	3.3	2.5
IP	2.5	3	4.3	2	3.8	2.3	3	3	3.5	1.5	2	2.8	2.8	2.5	3	3.3	3.8	3.3	4.3	3.3	2.3	2.5	3.5	3.3	4.8	2.5	2.3	1.5	2.5	2	2	2.5	3.3
IN	3	3.3	4	2.8	2.5	1.8	2.5	2.3	2.8	1.5	2.5	2	2.8	3.3	2.3	3.3	3.8	2.8	3	2.8	2.5	3.5	3.8	2.3	3.8	3.3	4	4.3	4.8	0.8	3.8	3.3	3
LB1	1	1	2	1.5	1.5	2.8	1	1	1	1.8	1.5	1	1.8	1.8	1	1	3.5	1.3	1.3	1	1.3	1	1	1	2	1	1	3.3	1	1.5	2.3	2	1
LB2	1	1	2	1.5	1.5	2.8	1	1	1	1.8	1.5	1	1.8	1.8	1	1	3.5	1.3	1.3	1	1.3	1	1	1	2	1	1	3.3	1	1.5	2.3	1.3	4.5
LB3	3	3.8	3	2.8	2.8	3.8	2.3	2.8	2.8	3	2.8	2	2.8	3.3	2.3	3.3	5	2.8	3.5	2.5	2.3	2.5	3	2	3.5	2.5	3.5	4.8	3	2.8	3.5	3	2.5
LY	4	3.3	1.8	2.8	2.8	3	2.5	2.5	2.3	2	2.8	2	1.8	3.3	2.3	4	4	2.8	4	2.3	2.8	2.5	3.3	2.3	3.5	2.5	3	6	0	0	0	3.3	2.5

Figure S3. Average degree for each phrase of rhythmic structure

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
TF	2	1.5	4.5	3.5	4	2	4	5	2.5	2.5	2.5	4.5	3.5	2.5	5	2	6.5	2.5	2.5	5.5	2	2.5	2	3	5	3	4	5	2.5	2	4.5	4	5.5
TB	2.5	1.5	4.5	5	4	6	3	5.5	5	2.5	3.5	4.5	3.5	4	5	4	2.5	4.5	2.5	5.5	2	2.5	2	3	5	3	4	5	2.5	2	4.5	4	5.5
TS1	3	1.5	3.5	2	3	3.5	3.5	2.5	4	1.5	2.5	2	5	1.5	2.5	2.5	3.5	2.5	2.5	4	2	3	1.5	2	4.5	2	3	2.5	2.5	3	4	1.5	3.5
TP1	1.5	1.5	4.5	5	3.5	3.5	1	2	4	2.5	3.5	4	3.5	4	4.5	1	3	4	2.5	3.5	2	3.5	2	3	5	3	4	2.5	2	2	3.5	4	4.5
TK	1.5	1.5	4	5	2.5	3.5	1	2	3.5	1.5	3.5	2	4.5	4	2.5	3	3	4	2	3.5	2	3.5	2.5	3	3.5	2.5	4	5	2.5	1.5	3	5	3.5
TC	2.5	1.5	4.5	4.5	3.5	5	3	5.5	4.5	2.5	3	3.5	3.5	3.5	4	3	5	4.5	2.5	5.5	2	4.5	1.5	3	5.5	3	4	5	2.5	2	4.5	4.5	4.5
TD	1.5	1.5	3	5	2	5.5	2.5	2.5	2.5	2.5	3.5	3	2	4	3.5	2	5.5	4	2.5	3.5	2	4.5	2	1	5	3	4	2.5	2.5	2	4	5	3.5
TP	2	1.5	5	5	3	3.5	3	2.5	2.5	2.5	3.5	1.5	5	4	2	2	2.5	4	2.5	4.5	2	3.5	2	3	3.5	2	3	4	2.5	2	3.5	5	2.5
TT	1.5	1.5	4	2.5	2.5	5.5	3.5	2.5	4.5	2.5	1.5	2	4.5	1.5	2.5	2	4	1.5	2.5	5.5	2	4.5	1	3	3.5	3	4.5	2.5	2.5	3	3	2	3.5
TP2	1.5	1	4	5	2.5	3.5	1	2	4	1.5	3.5	2	4.5	4	2.5	3	3	4	2	4	2	3.5	2.5	3	3.5	2.5	4	5	2.5	1.5	3	5	3.5
TR	1.5	1.5	6	3.5	4	5	2.5	2.5	4.5	2.5	2.5	4.5	5	2.5	5	2	6.5	2.5	2.5	5	2	3.5	3	3	5	3	4	4	3.5	2.5	6	1.5	4.5
TN	1.5	1	3.5	5	3.5	2.5	3.5	3	3.5	2	3.5	4	4.5	4	4.5	1	2.5	2	2.5	3.5	2	3	2	2.5	5	2.5	3.5	3.5	2.5	1.5	3.5	5	1
TW	2.5	1.5	4.5	5	4	5.5	3	5.5	4	2.5	3.5	4.5	3.5	4	5	4	2.5	4.5	2.5	5.5	2	3	2	5	5	3	4	5	2.5	2	4.5	4	5.5
TS2	3	1.5	4.5	3.5	3	5	4.5	2.5	4.5	1.5	2.5	2	5	2.5	2.5	2.5	3.5	2.5	2.5	4	2	3	1.5	3	4.5	2	3	2.5	2.5	3.5	4	3	3.5
TJ	1.5	1.5	2	5	1	3	3.5	2.5	3.5	2.5	3.5	4.5	1	4	1	2	2.5	2.5	2.5	4	2	6	2	4.5	5	2.5	3.5	5	3.5	2	3.5	4	4
TTD	5.5	3	7.5	2.5	1.5	3	3.5	2.5	2	4.5	2	1	5	2	1.5	6.5	6	2.5	4	1	1.5	4.5	4	3.5	3	4.5	2	6.5	1.5	5	3	2.5	8.5
KS1	4.5	3	8.5	6.5	7.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KS2	7	5	9.5	6	7	9	8	6.5	6.5	6.5	4.5	6.5	8	5	7	9.5	7.5	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KR	6.5	5	11	7.5	8.5	8	7	6	4	6.5	5.5	7.5	8	6	7.5	8	6	6	3.5	3.5	3.5	7.5	5.5	7.5	5.5	6	6	8	5	6	9	4.5	8
KW	7.5	1.5	6	3	4.5	7	7	2.5	1	3	2.5	5	6	2.5	5.5	4.5	1.5	2.5	5	3.5	2	5.5	3	6.5	4	1.5	4.5	1.5	2.5	3.5	7.5	2.5	4
IP	5	1.5	3	2	7	7.5	6	4.5	4.5	4.5	2	7	1.5	2	7.5	8	2	3.5	2.5	5	1.5	3	5.5	8	3.5	4.5	5	5	3	4.5	4	2.5	8
IN	6	4.5	3	6.5	4	5	2	4	3	5	5	2.5	5	3	3	4	2	8.5	1	5.5	3.5	9	6	2	8.5	4	6	6.5	3.5	3.5	7.5	4	6
LB1	3	1.5	4	4	7.5	8.5	6.5	2.5	3.5	2	2.5	7.5	2	3	8	2	5.5	2.5	2	3.5	3.5	2.5	4.5	7.5	1.5	2.5	2	2	3.5	1.5	4	3	8
LB2	3	1.5	4	4	7.5	8.5	6.5	2.5	3.5	2	2.5	7.5	2	3	8	2	5.5	2.5	2	3.5	3.5	2.5	4.5	7.5	1.5	2.5	2	2	3.5	1.5	4	3	5.5
LB3	3	1.5	4	4	7.5	8.5	6.5	2.5	3.5	2	2.5	7.5	2	3	8	2	5.5	2.5	2	3.5	3.5	2.5	4.5	7.5	1.5	2.5	2	2	3.5	1.5	4	3	8
LY	1.5	3	12	2.5	10	7	6.5	8	6.5	1.5	3.5	9	9.5	2	9	8	4.5	7.5	3.5	4.5	1.5	3.5	5	7	6.5	1.5	2.5	0	0	0	5	3.5	7.5

Figure S4. Average degree for each phrase of melodic structure

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
TF	2	1	1	3	3	2	2	2	2	1.5	3	2.5	2	4	2.5	1	3	2.5	2.5	2	2.5	2.5	1.5	2	2	1.5	1	1.5	2	1.5	2	2.5	1.5
TB	3	1	1	2.5	3	2.5	2	2	3	1.5	2.5	2.5	2	3.5	2.5	1	3.5	2.5	2.5	2	2.5	2.5	1.5	2	2	1.5	1	1.5	2	1.5	2	2.5	1.5
TS1	3	1	3.5	3	3	2.5	2	2	3	2	3	2.5	3	4	2.5	3	3	2.5	2.5	3	2.5	3	1.5	3	2	1.5	1	2.5	2	1.5	2	3	2
TP1	2	1	1	2.5	3	1.5	2	2.5	3	1.5	2.5	2.5	2	3.5	2.5	1	3	2.5	2.5	3	2.5	3.5	1.5	2	2	1.5	1	2.5	2	1.5	2	2.5	1.5
TK	2	1	2	2.5	3	1.5	2	2.5	3	2	2.5	2.5	1	3.5	2.5	3	3	2.5	2.5	3	2.5	3.5	1.5	2	4.5	1.5	1	1.5	2	1.5	2	2.5	1.5
TC	3	1	1	2	3	1.5	2	2	3	1.5	2	2.5	2	3	2.5	1	3	2.5	2.5	2	2.5	3	1.5	2	2	1.5	1	1.5	2	1.5	2	2	1.5
TD	2	1	3.5	2.5	3	2.5	2	2	2	1.5	2.5	2.5	3	3.5	2.5	4	3	2.5	2.5	2	2.5	3	1.5	2	2	1.5	1	2.5	2	1.5	2	2.5	1.5
TP	1.5	1	2	2.5	3	2.5	2	2	2	1.5	2.5	2.5	1	3.5	2.5	4	3.5	2.5	2.5	1	2.5	3	1.5	2	4.5	1.5	1	1.5	2	1.5	2	2.5	1.5
TT	2	1	3	3	3	2.5	2	2	3	1.5	3	2.5	1	4	2.5	4	3	2.5	2.5	2	2.5	2.5	1.5	2	3	1.5	1	2.5	2	1.5	2	3	1.5
TP2	2	1	2	2.5	3	1.5	2	2.5	3	2	2.5	2.5	1	3.5	2.5	3	3	2.5	2.5	3	2.5	3.5	1.5	2	4.5	1.5	1	1.5	2	1.5	2	2.5	1.5
TR	2	1	3	3	3	1.5	2	2	3	1.5	3	2.5	1	4	2.5	4	3	2.5	2.5	3	2.5	3	1.5	2	2	1.5	1	1.5	2	1.5	2	3	1.5
TN	2	1	3	2.5	3	2	2	2	3	1.5	2.5	2.5	1	3.5	2.5	1	3.5	2.5	2.5	3	2.5	3.5	1.5	2	2	1.5	1.5	3	2	1.5	2	2.5	1.5
TW	3	1	1	2.5	3	2.5	2	2	3	1.5	2.5	2.5	2	3.5	2.5	1	3.5	2.5	2.5	2	2.5	2.5	1.5	2	2	1.5	1	1.5	2	1.5	2	2.5	1.5
TS2	3	1	3.5	3	3	2.5	2	2	3	2	3	2.5	3	4	2.5	3	3	2.5	2.5	3	2.5	3	1.5	3	2	1.5	1	2.5	2	1.5	2	3	2
TJ	2	1	3.5	2.5	3	1.5	2	2	3	1.5	2.5	2.5	3	3.5	2.5	4	3.5	2.5	2.5	3	2.5	3	1.5	2	2	1.5	1	1.5	2	1.5	2	2.5	1.5
TTD	2.5	1	3.5	3	2	4.5	3	2	2.5	4	3	1.5	2	4	1.5	2	1.5	2.5	2.5	3	1.5	2	2	2	5.5	2	1	1.5	1	2	2	2.5	1.5
KS1	1.5	1	2	2.5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KS2	1.5	1	2	2.5	3	3	2	2	1	2	2.5	2.5	3.5	1.5	3.5	3	3	2.5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KR	1.5	1	2	3	3	3	2	2	1	1.5	3	2.5	1	3.5	2.5	4	3	2.5	2.5	1	2.5	3	1.5	2	4	1.5	1	2.5	2	1.5	2	2.5	1.5
KW	3	1	2	3	3	2	2	2	2.5	1.5	3	2.5	1	4	2.5	3	3.5	2.5	2.5	3	2.5	3	1.5	2	2	1.5	1	2.5	2	1.5	2	2.5	1.5
IP	1.5	1	3	2	3	3	2.5	2	1	2	2	2.5	1.5	3	2.5	3	3.5	2.5	1	2	2.5	2.5	1.5	3	4.5	1.5	1	3	2	1.5	1.5	2	1.5
IN	1.5	1	3.5	2.5	3	3.5	2.5	2	2	2.5	2.5	2.5	3	3.5	2.5	2.5	3.5	2.5	2.5	2	2.5	3.5	1.5	2	5	1.5	1	1.5	2	1	1.5	2.5	1.5
LB1	3	2	5.5	1	2	3.5	1	1	2	2.5	1	1.5	3.5	1.5	1.5	5	2	1	3	2	1.5	1	2	1	2	1.5	2.5	1.5	2	1.5	3	1	2
LB2	3	2	5.5	1	2	3.5	1	1	2	2.5	1	1.5	3.5	1.5	1.5	5	2	1	3	2	1.5	1	2	1	2	1.5	2.5	1.5	2	1.5	3	1	2
LB3	1.5	1	3.5	2.5	3	1.5	2	2	3	1.5	2.5	2.5	3	3.5	2.5	4	3	2.5	2.5	3	2.5	2.5	1.5	2	4	1.5	1	2.5	2	1.5	2	2.5	1.5
LY	3	1	2	2.5	3	1.5	2.5	2	2	2.5	2.5	2.5	3	3.5	2.5	3	3.5	2.5	1	2	2.5	3	1.5	2	3.5	1.5	1	0	0	0	3.5	2.5	1.5

Figure S5. Average degree for each phrase of interval

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
TF	2	2	3	3	5	2	3	3	3	4	3	5	3	3	3	1	4	3	6	3	3	3	3	3	3	4	3	2	4	7	3	4	4	
TB	4	2	3	4	5	3	2	3	3	4	5	5	3	4	3	2	2	5	6	3	3	3	3	3	3	4	3	2	4	7	3	4	4	
TS1	4	2	3	3	4	3	2	2	3	6	3	3	3	3	4	2	4	3	6	3	3	1	3	1	5	7	5	3	4	7	4	3	1	
TP1	2	2	3	4	3	3	1	2	3	4	5	4	3	4	2	2	4	3	6	3	3	2	3	3	3	4	3	3	3	4	3	1	1	
TK	2	2	3	4	3	3	1	1	3	6	5	4	3	4	2	3	4	3	4	3	3	2	3	3	3	1	3	2	4	3	4	2	1	
TC	4	2	3	4	3	2	2	3	3	4	5	4	3	4	2	1	6	5	6	3	3	4	2	3	3	4	1	6	4	7	3	4	3	
TD	2	2	3	4	3	3	2	2	3	4	5	4	3	4	2	1	4	3	6	3	3	4	3	2	3	4	3	3	4	7	4	2	3	
TP	2	2	3	4	2	3	2	2	3	4	5	2	3	4	1	1	2	3	6	3	3	1	3	3	3	7	5	5	4	7	4	2	2	
TT	2	2	3	3	3	3	2	2	3	4	3	4	3	3	2	1	4	3	6	3	3	4	2	4	3	4	3	3	4	9	4	4	3	
TP2	2	2	3	4	3	3	1	2	3	6	5	4	3	4	2	3	4	3	4	3	3	2	2	3	3	1	3	2	4	3	4	4	3	
TR	2	2	3	3	5	3	2	2	3	4	3	5	3	3	3	1	4	3	6	3	3	3	2	3	3	4	3	7	2	2	2	3	4	
TN	2	2	3	4	3	3	2	2	3	2	5	4	3	4	2	1	2	3	4	3	3	5	3	3	3	1	5	2	2	3	4	4	2	
TW	4	2	3	4	5	3	2	3	3	4	5	5	3	4	3	1	2	5	6	3	3	3	3	4	3	4	3	2	2	7	3	4	4	
TS2	4	2	3	3	4	3	4	2	3	6	3	3	3	3	4	2	4	3	6	3	3	1	3	1	5	7	5	3	4	7	4	3	1	
TJ	2	2	3	4	5	3	1	2	3	4	5	5	3	4	3	1	2	3	6	3	3	7	3	3	3	1	6	2	2	4	4	4	4	
TTD	3	2	3	2	1	2	2	2	1	5	2	1	2	1	1	4	4	3	4	2	1	1	2	3	1	6	4	1	3	5	1	1	1	
KS1	5	3	4	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KS2	5	1	5	5	7	4	2	4	2	2	4	7	4	4	5	3	7	4	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KR	1	1	2	1	7	1	2	5	3	1	1	6	1	2	5	6	2	2	3	3	2	4	2	5	4	2	2	2	4	2	3	2	3	
KW	5	3	3	4	3	1	2	2	3	3	5	4	3	4	2	4	2	3	2	3	3	6	4	3	2	5	6	3	4	3	4	2	3	
IP	2	2	1	3	3	1	2	2	3	3	3	4	3	3	2	1	1	3	2	1	2	3	1	5	2	5	1	6	4	1	3	3	3	
IN	2	3	1	2	3	6	2	5	3	3	2	6	5	5	5	4	3	6	1	3	3	3	1	5	2	3	6	2	5	1	5	1	5	
LB1	2	3	3	2	7	3	2	2	3	2	2	6	3	1	5	2	4	3	5	3	4	3	2	3	2	3	1	3	6	6	4	3	3	
LB2	2	3	3	2	7	3	2	2	3	2	2	6	3	1	5	2	4	3	5	3	4	3	2	3	2	3	1	3	6	6	4	3	3	
LB3	2	3	3	2	7	3	2	2	3	2	2	6	3	1	5	2	4	3	4	3	4	3	2	3	2	3	1	3	6	3	4	3	3	
LY	2	3	3	3	7	5	2	2	3	3	3	6	3	4	5	5	5	1	2	4	3	3	2	5	3	5	4	4	0	0	0	1	5	

Figure S6. Average degree for each phrase of pitch

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
TF	2	1	5	3	5	3	5	5	2	4	3	5	4	4	6	2	1	4	1	4	3	2	4	3	5	2	1	5	5	1	5	3	3
TB	2	1	5	4	5	1	5	5	1	4	4	5	4	5	6	1	6	4	1	4	3	2	4	3	5	2	1	5	5	1	5	3	3
TS1	2	1	5	3	1	3	1	5	1	4	3	1	4	4	1	3	1	4	1	1	3	2	4	1	2	1	1	5	5	6	5	3	1
TP1	2	1	5	4	2	5	5	5	1	4	4	2	4	5	2	4	5	4	1	1	3	3	4	3	5	2	1	5	4	8	4	3	3
TK	2	1	5	4	2	5	5	5	1	4	4	2	4	5	3	5	5	4	1	1	3	3	4	3	5	2	1	5	2	1	4	3	3
TC	2	1	5	3	5	5	5	5	1	4	3	5	4	4	6	2	1	4	1	4	3	3	6	3	5	2	1	5	2	3	5	3	3
TD	2	1	5	4	2	1	1	5	2	4	4	2	4	4	3	3	4	4	1	1	3	3	4	3	5	2	1	5	2	1	5	3	3
TP	1	1	4	3	5	3	5	5	2	4	3	5	3	4	6	2	6	4	1	2	3	2	4	3	6	2	1	5	2	3	5	3	3
TT	2	1	6	3	2	1	1	5	1	4	3	2	4	4	3	2	1	4	1	4	3	2	3	3	5	1	1	5	2	7	4	2	3
TP2	2	1	5	4	2	5	5	5	1	4	4	2	4	4	3	5	5	4	1	1	3	3	8	3	6	2	1	5	2	1	4	4	3
TR	2	1	2	3	2	5	1	5	1	4	3	5	4	4	6	2	1	4	1	1	3	3	8	3	5	2	1	5	6	6	2	3	3
TN	2	1	2	4	2	3	1	5	1	4	4	2	4	4	3	3	6	4	7	1	3	3	4	3	5	2	1	1	2	1	5	4	3
TW	2	1	5	4	5	1	5	5	1	4	4	5	4	4	6	1	6	4	1	4	3	3	4	3	5	2	1	5	2	1	5	3	3
TS2	2	1	5	3	2	3	1	5	1	4	3	4	4	4	5	3	1	4	1	1	3	2	4	1	2	1	1	5	2	6	5	3	1
TJ	2	1	5	4	5	5	1	5	1	4	4	5	4	4	6	2	6	4	1	1	3	3	4	3	5	2	1	5	6	8	5	3	3
TTD	6	3	4	2	5	2	4	4	5	6	2	6	1	3	6	6	4	3	7	4	3	2	1	3	6	7	2	7	3	9	8	3	2
KS1	3	1	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KS2	5	4	2	3	3	1	5	1	1	2	3	5	5	1	5	3	3	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KR	1	2	4	3	4	3	4	1	3	4	3	1	3	4	1	2	1	4	2	1	1	2	2	3	1	6	1	4	1	7	6	3	7
KW	8	1	5	3	5	5	4	5	5	5	3	5	4	4	6	7	6	4	8	5	3	2	5	3	5	5	4	5	10	6	4	3	6
IP	8	1	7	3	3	3	2	5	6	1	3	4	6	4	5	2	5	4	8	5	2	3	8	3	4	3	1	2	5	6	1	3	7
IN	8	6	6	3	5	4	4	3	5	1	3	4	4	4	5	8	5	2	3	4	3	3	4	3	4	6	4	5	9	6	7	3	7
LB1	4	5	3	1	3	2	3	2	4	3	1	3	2	2	4	8	2	1	4	3	1	1	5	2	3	4	3	3	7	2	3	1	6
LB2	4	5	3	1	3	2	3	2	4	3	1	3	2	2	4	8	2	1	4	3	1	1	5	2	3	4	3	3	7	2	3	1	6
LB3	7	6	5	3	4	5	5	5	5	4	3	4	4	4	5	9	5	4	5	4	3	2	7	3	5	6	4	5	9	4	5	3	4
LY	8	6	5	4	4	4	2	5	5	2	4	4	4	5	5	6	6	4	8	4	3	3	8	3	5	5	4	6	8	0	0	3	5