

Table 6: Top 5 and bottom 5 accuracies in feature prediction using phonologically fine-tuned language embeddings.

Task	Feature	WALS Chapter	Accuracy
G2P	90A	Word Order	85.67
	96A	Word Order	85.17
	95A	Word Order	80.36
	112A	Simple Clauses	80.10
	82A	Word Order	80.08
	75A	Verbal Categories	34.34
	16A	Phonology	29.33
	79A	Verbal Categories	26.79
	144A	Word Order	22.99
	50A	Nominal Categories	20.95
	6A	Phonology	89.45
	18A	Phonology	88.91
	20A	Morphology	82.74
	19A	Phonology	82.58
	7A	Phonology	80.97
ASJP	144A	Word Order	14.48
	144L	Word Order	10.07
	62A	Nominal Syntax	10.00
	81B	Word Order	9.52
	133A	Lexicon	8.18
Morph.	49A	Nominal Categories	83.33
	31A	Nominal Categories	83.33
	29A	Morphology	83.33
	32A	Nominal Categories	83.33
	70A	Verbal Categories	83.33
	86A	Word Order	35.00
	38A	Nominal Categories	33.33
	92A	Word Order	30.00
	67A	Verbal Categories	27.78
	46A	Nominal Categories	25.0
PoS	37A	Nominal Categories	91.67
	87A	Word Order	88.89
	54A	Nominal Categories	88.89
	115A	Simple Clauses	85.00
	49A	Nominal Categories	83.33
	3A	Phonology	36.11
	128A	Complex Sentences	33.33
	21B	Morphology	27.78
	30A	Nominal Categories	25.00
	32A	Nominal Categories	25.0