“BREAST”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Language** |  |  | **Alignment** | | | | |  |  |  |  | **New cog** | **Old Cog** |
| S\_Tibetan\_Lhasa |  |  | - | - | o | m | a |  |  |  |  | 110186 | 862 |
| Gyalsumdo |  |  | - | - | o | m | a |  |  |  |  | 110186 | 10186 |
| Gyalsumdo |  |  | ɦ | - | o | m | a |  |  |  |  | 110186 | 10186 |
| Jirel |  |  | - | n̪ | u | m | a |  |  |  |  | 110186 | 10186 |
| Kagate |  |  | - | - | o | m | a |  |  |  |  | 110186 | 10186 |
| Lowa |  |  | - | - | o | m | a |  |  |  |  | 110186 | 10186 |
| Sherpa |  |  | - | - | o | m | a |  |  |  |  | 110186 | 10186 |
| Yolmo |  |  | w | - | o | m | a |  |  |  |  | 110186 | 10186 |

Alignment for cognate 100032 “EAR”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S\_Achang\_Longchuan | - | n | - | i | - | - | - | - | - | - | - | ʈʂʰ | u | a | - | - | - |
| S\_Xiandao | - | n̥ | - | a | - | - | - | - | - | - | - | ʈʂʰ | - | - | ɔ | - | - |
| S\_Guangzhou | - | j | - | i | - | - | - | - | - | - | - | tʃ | ɐ | - | i | - | - |
| Gyalsumdo | - | - | - | a | m | - | - | - | - | - | - | t | - | ɕ | - | - | - |
| Lowa | - | - | - | a | m | - | - | - | - | - | - | t | - | ɕ | j | o | - |
| Nubri | - | - | - | a | m | - | - | - | - | - | - | t | - | ɕ | j | o | - |
| S\_Beijing | - | - | - | ɚ | - | - | - | - | - | - | - | t | u | - | ɔ | - | - |
| Gyalsumdo | - | - | - | a | m | - | - | - | - | - | - | d | - | ʑ | - | - | - |
| Tsum | - | - | - | a | m | - | - | - | - | - | - | d | - | ʑ | j | o | - |
| Kagate | - | n | - | a | m | - | - | - | - | - | - | d | - | z | j | o | - |
| S\_Tibetan\_Xiahe | - | n | - | a | n | - | - | - | - | - | - | d | - | ʑ | - | o | χ |
| Sherpa | - | n | - | a | m | - | - | - | - | - | - | d | - | z | j | o | k |
| Yolmo | - | n | - | ə | m | - | - | - | - | - | - | d | - | ʑ | j | o | - |
| Jirel | - | n̪ | - | a | m | - | - | - | - | - | - | d | - | ʑ | j | o | k |
| S\_Dulong | - | - | - | ɑ | n | ɑ | - | - | - | - | - | - | - | - | - | - | - |
| S\_Chaozhou | - | h | - | ĩ | ∼ | - | - | - | - | - | - | - | - | - | - | - | - |
| S\_Jieyang | - | h | - | ĩ | ∼ | - | - | - | - | - | - | - | - | - | - | - | - |
| S\_Hakha\_Chin | - | hn | - | a | - | - | kʰ | - | ò | - | - | - | - | - | - | - | - |
| S\_Darang\_Taraon | - | k | ɹ | u | n | - | - | - | ɑ | ŋ | - | - | - | - | - | - | - |
| S\_Rongpo | - | k | - | ə | n | - | - | - | uː | ɳ | - | - | - | - | - | - | - |
| S\_Ukhrul | - | kʰ | - | ə | n | a | - | - | - | - | - | - | - | - | - | - | - |
| S\_Atsi | - | n | - | ŏ | pʰ | - | - | - | - | - | - | - | - | - | j | o | - |
| S\_Bahing | - | n | - | œ | g | a | ts | - | i | - | - | - | - | - | - | - | - |
| S\_Bantawa | - | n | - | a | b | a | k | - | - | - | - | - | - | - | - | - | - |
| S\_Bola | - | n | - | ə̆ | - | - | kʰ | - | - | - | - | - | - | - | j | ɛ | ʔ |
| S\_Chepang | - | n | - | o | - | - | - | - | - | - | - | - | - | - | - | - | - |
| S\_Hayu | - | n | - | o | k | - | tsʰ | - | u | ŋ | - | - | - | - | - | - | - |
| S\_Jingpho | - | n | - | a | - | - | - | - | - | - | - | - | - | - | - | - | - |
| S\_Kulung | - | n | - | ɔ | b | - | - | - | ɔ | - | - | - | - | - | - | - | - |
| S\_Lashi | - | n | - | ə̆ | - | - | kʰ | - | - | - | - | - | - | - | j | a | p |
| S\_Limbu | - | n | - | ɛ | bʰ | - | - | - | - | - | - | - | - | - | - | a | k |
| S\_Lisu | - | n | - | ɑ̱ | p | o̱ | - | - | - | - | - | - | - | - | - | - | - |
| S\_Maru | - | n | - | ə̆ | - | - | kʰ | - | - | - | - | - | - | - | j | ɛ | ʔ |
| S\_Mikir | - | n | - | ò | - | - | - | - | - | - | - | - | - | - | - | - | - |
| S\_Motuo\_Menba | - | n | - | a | - | - | - | - | - | - | - | - | - | - | - | - | - |
| S\_Old\_Chinese | C | n | - | ə | ʔ | - | - | - | - | - | - | - | - | - | - | - | - |
| S\_Old\_Tibetan | r | n | - | a | - | - | - | - | - | - | - | - | - | - | - | - | - |
| S\_Rangoon | - | n | - | ɑ | - | - | - | - | - | - | - | - | - | - | - | - | - |
| S\_Tangut | - | n | - | - | - | - | - | - | - | - | - | - | - | - | j | u | - |
| S\_Tibetan\_Alike | r | n | - | æ | - | - | - | - | - | - | - | - | - | - | - | - | - |
| S\_Tibetan\_Batang | - | n | - | a | - | - | - | - | - | - | - | - | - | - | j | o | - |
| S\_Wobzi\_Khroskyabs | - | ɲ | - | û | - | - | - | - | - | - | - | - | - | - | - | - | - |
| S\_Daofu | - | ȵ | - | ə | - | - | - | - | - | - | - | - | - | - | - | - | - |
| S\_Zhaba\_Daofu\_County | - | ȵ̥ | - | ʌ | - | - | - | - | - | - | - | - | - | ʐ | - | a | - |
| S\_Khaling | - | ŋ | - | e | ʦ | o | - | - | - | - | - | - | - | - | - | - | - |
| S\_Bahing | - | s | - | a | m | - | - | - | a | n | œ | - | - | - | - | - | - |
| S\_Garo | - | n | - | a | ch | i | - | l | - | - | - | - | - | - | - | - | - |
| S\_Thulung | - | n | - | o | ph | - | - | l | a | - | - | - | - | - | - | - | - |
| S\_Old\_Burmese | - | n | - | ā | - | - | ḥ | r | - | - | - | - | - | - | - | o | k |
| S\_Rabha | - | n | - | a | k | o | - | r | - | - | - | - | - | - | - | - | - |
| S\_Bokar | - | ȵ | - | a | - | - | - | r | u | ŋ | - | - | - | - | - | - | - |
| S\_Japhug | - | t | - | ɯ | - | - | - | r | - | n | a | - | - | - | - | - | - |
| S\_rGyalrong\_Maerkang | - | t | - | ə | - | - | - | r | - | n | ɑ | - | - | - | - | - | - |
| S\_Yidu | - | - | - | ɑ | k | - | - | ɹ | u | n | ɑ | - | - | - | - | - | - |

“EAT”: S\_Ukrhul “ʃaj” is placed with cognate set 103419

“EGG”:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Language** |  |  | **Alignment** | | | | | | | | | | | | **New Cog** | **Old Cog** |  |
| **Gyalsumdo** |  |  | **-** | **-** | **-** | **-** | **-** | **-** | **k** | **o** | **ŋ** | **-** | **a** | **-** | **100850** |  |  |
| **Jirel** |  |  | **t** | **sʰ** | **-** | **e** | **m** | **e** | **-** | **-** | **n** | **d̪** | **o** | **k** | **100850** |  |
| **Jirel** |  |  | **t** | **sʰ** | **-** | **-** | **-** | **e** | **ɡ** | **o** | **ŋ** | **-** | **a** | **-** | **100850** |  |
| **Kagate** |  |  | **t** | **ɕ** | **j** | **a** | **m** | **u** | **ɡ** | **o** | **ŋ** | **-** | **a** | **-** | **100850** |  |
| **Lowa** |  |  | **-** | **-** | **-** | **-** | **-** | **-** | **k** | **o** | **ŋ** | **-** | **a** | **-** | **100850** |  |
| **Nubri** |  |  | **-** | **-** | **-** | **-** | **-** | **-** | **k** | **oõ** | **-** | **-** | **-** | **-** | **100850** |  |
| **S\_Daofu** |  |  | **-** | **z** | **-** | **-** | **-** | **-** | **g** | **ə** | **ŋ** | **a** | **-** | **-** | **100850** |  |
| **S\_Motuo\_Menba** |  |  | **-** | **-** | **-** | **-** | **-** | **-** | **g** | **o** | **-** | **tʰ** | **a** | **m** | **100850** |  |
| **S\_Old\_Tibetan** |  |  | **-** | **s** | **-** | **-** | **-** | **-** | **g** | **o** | **ŋ** | **-** | **a** | **-** | **100850** |  |
| **S\_Rongpo** |  |  | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **ə** | **n** | **ɖ** | **aː** | **-** | **100850** | **100509** |
| **S\_Tibetan\_Alike** |  |  | **w** | **ɕ** | **-** | **a** | **rr** | **-** | **g** | **o** | **ŋ** | **-** | **-** | **-** | **100850** |  |
| **S\_Tibetan\_Batang** |  |  | **-** | **-** | **-** | **-** | **-** | **-** | **g** | **ũ** | **ŋ** | **-** | **ɑ** | **ʔ** | **100850** |  |
| **S\_Tibetan\_Lhasa** |  |  | **-** | **-** | **-** | **-** | **-** | **-** | **k** | **o** | **ŋ** | **-** | **a** | **-** | **100850** |  |
| **S\_Tibetan\_Xiahe** |  |  | **-** | **-** | **-** | **-** | **-** | **-** | **g** | **o** | **ŋŋ** | **-** | **a** | **-** | **100850** |  |
| **Sherpa** |  |  | **t** | **ɕʰ** | **-** | **-** | **-** | **e** | **ɡ** | **o** | **ŋ** | **-** | **a** | **-** | **100850** |  |
| **Tsum** |  |  | **-** | **-** | **-** | **-** | **-** | **-** | **k** | **oã** | **-** | **-** | **-** | **-** | **100850** |  |
| **Yolmo** |  |  | **-** | **-** | **-** | **-** | **-** | **-** | **k** | **o** | **ŋ** | **-** | **a** | **-** | **100850** |  |

“FLY (MOVE THROUGH AIR)”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Language** |  |  | **Alignment** | | | | | | | | | |  | **New Cog** | **Old Cog** |
| **Gyalsumdo** |  |  | **-** | **pʰ** | **-** | **i** | **ɹ** | **-** | **-** | **-** | **-** | **-** |  | **110208** |  |
| **Jirel** |  |  | **-** | **pʰ** | **-** | **u** | **ɹ** | **-** | **-** | **-** | **-** | **-** |  | **110208** |  |
| **Jirel** |  |  | **-** | **pʰ** | **-** | **u** | **ɹ** | **-** | **a** | **t̪** | **-** | **e** |  | **110208** |  |
| **Kagate** |  |  | **-** | **-** | **-** | **u** | **r** | **-** | **-** | **t** | **s** | **e** |  | **110208** |  |
| **Lowa** |  |  | **-** | **pʰ** | **-** | **u** | **ɾ** | **-** | **-** | **j** | **-** | **e** |  | **110208** |  |
| **Nubri** |  |  | **-** | **pʰ** | **-** | **u** | **ɹ** | **-** | **-** | **-** | **-** | **-** |  | **110208** |  |
| **S\_Bahing** |  |  | **-** | **b** | **-** | **ɛ** | **r** | **-** | **-** | **-** | **-** | **-** |  | **110208** |  |
| **S\_Bantawa** |  |  | **-** | **p** | **-** | **e** | **r** | **-** | **-** | **-** | **-** | **-** |  | **110208** |  |
| **S\_Bokar** |  |  | **-** | **b** | **j** | **a** | **r** | **-** | **-** | **-** | **-** | **-** |  | **110208** |  |
| **S\_Dulong** |  |  | **-** | **b** | **-** | **ɛ** | **ɹ** | **-** | **-** | **-** | **-** | **-** |  | **110208** |  |
| **S\_Garo** |  |  | **-** | **b** | **-** | **i** | **l** | **-** | **a** | **-** | **-** | **-** |  | **110208** |  |
| **S\_Khaling** |  |  | **-** | **bʰ** | **-** | **e** | **r** | **-** | **-** | **-** | **-** | **-** |  | **110208** |  |
| **S\_Kulung** |  |  | **-** | **p** | **-** | **e** | **r** | **m** | **a** | **-** | **-** | **-** |  | **110208** |  |
| **S\_Limbu** |  |  | **-** | **p** | **-** | **ɛ:** | **r** | **-** | **-** | **-** | **-** | **-** |  | **110208** |  |
| **S\_Old\_Tibetan** |  |  | **ɴ** | **pʰ** | **-** | **u** | **r** | **-** | **-** | **-** | **-** | **-** |  | **110208** | **100430** |
| **S\_Tibetan\_Alike** |  |  | **m** | **p** | **-** | **ə** | **r** | **-** | **-** | **-** | **-** | **-** |  | **110208** | **100430** |
| **S\_Tibetan\_Lhasa** |  |  | **-** | **ph** | **-** | **i** | **r** | **-** | **-** | **-** | **-** | **-** |  | **110208** | **100430** |
| **S\_Tibetan\_Xiahe** |  |  | **-** | **ph** | **-** | **ə** | **r** | **-** | **-** | **-** | **-** | **-** |  | **110208** | **100430** |
| **Sherpa** |  |  | **-** | **pʰ** | **-** | **i** | **r** | **-** | **-** | **k** | **-** | **u** |  | **110208** |  |
| **Tsum** |  |  | **-** | **pʰ** | **-** | **i** | **ɹ** | **-** | **-** | **-** | **s** | **o** |  | **110208** |  |

**New Alignment for “HORN” Cognate set 100312**

Data from our languages (e.g. Jirel) suggest an order [r d/t z/ʃ ]. Comparing Nubri to Jirel and Tsum shows shift from [dʑ] to [dk]. This shifts the core of some alignments (e.g. Achang Longchuan, Xiandao). Tangut still aligns with the [rV] core by analogy with the [w] in Kagate and Yolmo.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Gyalsumdo | - | - | - | - | ɹ | a | - | - | k | - | j | o | - | - | - | - |
| Jirel | - | - | - | - | ɹ | o | - | - | d | ʑ | j | o | - | - | - | - |
| Kagate | - | - | - | - | r | - | w | a | ɡ | - | - | a | - | - | - | - |
| Lowa | - | - | - | - | ɹ | - | - | a | k | - | j | o | - | ʔ | - | - |
| Nubri | - | - | - | - | - | a | - | - | d | k | j | o | - | - | - | - |
| Sherpa | - | - | - | a | r | - | - | - | k | - | j | o | - | k | - | - |
| Tsum | p | - | - | - | - | a | - | - | d | ʑ | j | o | - | - | - | - |
| Yolmo | - | - | - | - | ɹ | o | w | a | - | - | - | - | - | - | - | - |
| S\_Achang\_Longchuan | - | - | - | - | - | - | - | - | kʰ | ʐ | - | a | u | - | - | - |
| S\_Atsi | - | - | - | - | - | - | - | - | kʰ | - | j | u | i | - | - | - |
| S\_Bahing | - | - | - | g | r | o | - | - | - | - | - | - | - | - | - | - |
| S\_Bola | - | - | - | - | - | - | - | - | kʰ | - | j | u | - | - | - | - |
| S\_Bunan | - | - | - | - | r | o | - | - | tɕ | - | - | o | - | - | - | - |
| S\_Byangsi | - | - | - | - | r | u | - | - | - | - | - | - | - | - | - | - |
| S\_Daofu | - | - | - | q | r | ə | - | - | - | - | - | - | - | m | b | ə |
| S\_Darang\_Taraon | - | - | - | - | ɹ | ɑ | u | - | - | - | - | - | - | - | - | - |
| S\_Japhug | - | t | a | ʁ | r | ɯ | - | - | - | - | - | - | - | - | - | - |
| S\_Lashi | - | - | - | - | - | - | - | - | kʰ | - | j | o | u | - | - | - |
| S\_Lisu | - | - | - | - | - | o | - | - | tʃh | - | - | i̱ | - | - | - | - |
| S\_Maru | - | - | - | - | - | - | - | - | kʰ | - | j | u | - | k | - | - |
| S\_Old\_Burmese | - | - | - | - | - | - | - | - | kh | - | j | ui | w | - | - | - |
| S\_Old\_Tibetan | - | - | - | g | r | u | - | - | - | - | - | - | - | - | - | - |
| S\_Rangoon | - | - | - | - | - | - | - | - | tɕʰ | - | - | o | - | - | - | - |
| S\_Rangoon | - | - | - | - | - | - | - | - | dʑ | - | - | o | - | - | - | - |
| S\_rGyalrong\_Maerkang | - | t | ə | - | r | u | - | - | - | - | - | - | - | - | - | - |
| S\_Tangut | - | - | - | kʰ | - | i | w | ə | - | - | - | - | - | - | - | - |
| S\_Tibetan\_Alike | - | - | - | - | r | a | - | - | tɕh | - | - | o | - | - | - | - |
| S\_Tibetan\_Batang | - | - | - | - | ʐ | a | - | - | - | - | j | o | - | - | - | - |
| S\_Tibetan\_Lhasa | - | - | - | - | r | a | - | - | k | - | - | o | - | - | - | - |
| S\_Tibetan\_Xiahe | - | - | - | - | r | a | - | - | tɕ | - | - | o | - | - | - | - |
| S\_Wobzi\_Khroskyabs | - | - | - | - | r | ə̂ | - | - | - | - | - | - | - | - | - | - |
| S\_Xiandao | - | - | - | - | - | - | - | a | kʰ | ʐ | - | a | u | - | - | - |
| S\_Yidu | - | - | - | - | ɹ | u | - | - | - | - | - | - | - | - | - | - |
| S\_Zhaba\_Daofu\_County | - | - | - | - | ʐ | ʌ | - | - | - | - | - | - | - | - | p | ə |

“HUSBAND”

Our data suggests a bridge between cognate sets 105770 and 105771.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Language** | **Alignment** | | | | | | **New Cog** | **Old Cog** |
| Gyalsumdo | - | kʰ | j | o | k | a | 105771 |  |
| Gyalsumdo | - | kʰ | j | o | ɡ | a | 105771 |  |
| Jirel | - | kʰ | j | o | b | o | 105771 |  |
| Kagate | - | kʰ | j | o | b | o | 105771 |  |
| Lowa | - | kʰ | j | o | ɡ | a | 105771 |  |
| Nubri | - | kʰ | j | o | k | a | 105771 |  |
| Sherpa | - | kʰ | j | oa | - | - | 105771 |  |
| Tsum | - | kʰ | j | o | w | a | 105771 |  |
| Yolmo | - | kʰ | j | o | w | a | 105771 |  |
| S\_Old\_Tibetan | - | kʰ | ʲ | o | g | a | 105771 | 105770 |
| S\_Rongpo | - | kh | y | ə | w | a | 105771 | 105770 |
| S\_Tibetan\_Alike | r | g | - | a | p | o | 105771 |  |
| S\_Tibetan\_Lhasa | - | - | - | o | k | a | 105771 |  |

Mikir was not assigned a cognate class in the original data, but is very close to Daofu:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Language |  | Alignment | | | | | | | | | | | New Cog | Old Cog |  |
| S\_Daofu |  |  | p | ə | ŋ | a |  |  |  |  |  |  | 101940 | 101940 |  |
| S\_Mikir |  |  | p | ē | n | ā | n |  |  |  |  |  | 101940 | 0 |

“Moon”:

Tibetan seem to be a separate cognate class from Cognate /lV/ (2081), though Old Tibetan does seem to fit more with 2081.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Language** |  | **Alignment** | | | | | | | | | |  |  | **New Cog** | **Old Cog** |  |
| Gyalsumdo |  | - | - | t̪ | a | k | a | ɹ | - | - | - |  |  | 100 |  |  |
| Gyalsumdo |  | - | - | t̪ | a | w | a | - | - | - | - |  |  | 100 |  |
| Jirel |  | - | n | d̪ | a | ɡ | a | ɹ | - | - | - |  |  | 100 |  |
| Kagate |  | - | - | d̪ | a | ɡ | a | r | - | m | u |  |  | 100 |  |
| Lowa |  | - | n | d̪ | - | - | a | - | - | - | - |  |  | 100 |  |
| Nubri |  | - | - | t̪ | a | - | - | - | - | - | - |  |  | 100 |  |
| S\_Tibetan\_Alike |  | - | - | - | - | - | - | r | a | - | - |  |  | 100 | 2081 |
| S\_Tibetan\_Batang |  | - | - | - | a | ɣ | ɑ | - | - | - | - |  |  | 100 | 2081 |
| S\_Tibetan\_Lhasa |  | - | - | t | a | w | a | - | - | - | - |  |  | 100 | 2081 |
| S\_Tibetan\_Xiahe |  | - | - | - | - | - | a | - | - | - | - |  |  | 100 | 2081 |
| S\_Tibetan\_Xiahe |  | - | - | d | a | w | a | - | - | - | - |  |  | 100 | 2081 |
| Sherpa |  | əu | - | d̪ | ə | k | a | r | - | - | - |  |  | 100 |  |
| Tsum |  | - | n | d̪ | a | k | a | r | - | - | - |  |  | 100 |  |
| Yolmo |  | - | n | d̪ | a | w | a | - | - | - | - |  |  | 100 |  |

“MUD”

Note that Garo and Darang\_Taraon might also fit with 101500

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Language** |  |  | **Alignment** | | | | | | | |  |  |  |  | **New Cog** | **Old Cog** |  |
| Lowa |  |  | n̪ | d̪ | a | m | - | p | a | k |  |  |  |  | 101500 |  |  |
| Nubri |  |  | - | t̪ | a | m | - | p | a | - |  |  |  |  | 101500 |  |
| S\_Bunan |  |  | - | ɖ | a | m | - | p | a | k |  |  |  |  | 101500 |  |
| S\_Daofu |  |  | n | dʑ | ɑ | m | - | b | ɑ | - |  |  |  |  | 101500 | 1177 |
| S\_Lashi |  |  | - | tʰ | ɔ | m | - | p | ɔ | p |  |  |  |  | 101500 | 1195 |
| S\_Old\_Tibetan |  |  | ɴ | d | a | m | - | p | a | - |  |  |  |  | 101500 |  |
| S\_Tibetan\_Alike |  |  | n | d | a | m | m | b | a | k |  |  |  |  | 101500 |  |
| S\_Tibetan\_Batang |  |  | nd | - | ɑ | - | - | b | ɑ | ʔ |  |  |  |  | 101500 |  |
| S\_Tibetan\_Lhasa |  |  | - | t | a | k | - | p | a | - |  |  |  |  | 101500 |  |
| S\_Tibetan\_Xiahe |  |  | nd | - | a | m | - | b | a | x |  |  |  |  | 101500 |  |

“ROOF”

There were two doculects with entries in the Sagart et al. data that can be linked to our data:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Gyalsumdo |  | ROOF |  | kʰ | a | ŋ | t̪ | ø | - | - | - | - | - |  | 96 |  |  |
| Gyalsumdo |  | ROOF |  | - | - | - | t̪ʰ | o | - | - | - | - | - |  | 96 |  |
| Nubri |  | ROOF |  | - | - | - | t̪ʰ | ɔ | - | - | - | - | - |  | 96 |  |
| S\_Japhug |  | ROOF |  | kʰ | ɤ | x | t | ɤ | - | m | b | r | o |  | 96 |  |
| S\_Old\_Tibetan |  | ROOF |  | - | - | - | tʰ | o | g | - | - | - | - |  | 96 |  |
| Sherpa |  | ROOF |  | - | - | - | t̪ʰ | o | k | - | - | - | - |  | 96 |  |
| Tsum |  | ROOF |  | kʰ | a | n | d̪ | o | ʔ | - | - | - | - |  | 96 |  |

“RIVER”

We have linked the form from Bokar to the Tibetan forms:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Language** |  |  | **Alignment** | | | | | | | | | | | | **New Cog** | **Old Cog** |
| Gyalsumdo |  |  | - | t | s | a | ŋ | p | u |  |  |  |  |  | 100823 |  |
| Jirel |  |  | - | tʰ | - | a | ŋ | k | a |  |  |  |  |  | 100823 |  |
| Kagate |  |  | - | t | s | a | ŋ | b | u |  |  |  |  |  | 100823 |  |
| Lowa |  |  | - | t | s | a | ŋ | p | o |  |  |  |  |  | 100823 |  |
| S\_Bokar |  |  | - | - | ɕ | a | ŋ | b | u |  |  |  |  |  | 100823 | 2583 |
| S\_Old\_Tibetan |  |  | g | ts | - | a | ŋ | p | o |  |  |  |  |  | 100823 | 823 |
| S\_Tibetan\_Lhasa |  |  | - | - | - | a | ŋ | p | o |  |  |  |  |  | 100823 | 823 |
| Sherpa |  |  | - | t | s | ə | ŋ | b | u |  |  |  |  |  | 100823 |  |
| Tsum |  |  | - | t | s | a | ŋ | b | o |  |  |  |  |  | 100823 |  |
| Yolmo |  |  | - | t | s | ə | ŋ | b | u |  |  |  |  |  | 100823 |  |

“STICK”

We link Japhung and Gyalrong Maerkang:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Language |  | Alignment | | | | | | | | | | | | | | New Cog | Old Cog |
| Jirel |  | d | ə | n | d | i | - |  |  |  |  |  |  |  |  | 103340 |  |
| S\_Japhug |  | t | ɤ | ɲ | - | i | - |  |  |  |  |  |  |  |  | 103340 | 3155 |
| S\_rGyalrong\_Maerkang |  | t | ɐ | n | d | ɐ | r |  |  |  |  |  |  |  |  | 103340 | 3340 |

“THROW”

We link Japhung to cognate set 3467

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Language** |  |  | **Alignment** | | | | | | | | | | | | | | **New Cog** | **Old Cog** |  |
| S\_Bantawa |  |  | k | - | - | o | k | - |  |  |  |  |  |  |  |  | 103467 |  |  |
| S\_Japhug |  |  | ɣ | ɤ | r | ɤ | - | t |  |  |  |  |  |  |  |  | 103467 | 3213 |
| S\_Khaling |  |  | gh | - | r | o | k | t |  |  |  |  |  |  |  |  | 103467 |  |
| S\_Thulung |  |  | gh | - | r | o | k | - |  |  |  |  |  |  |  |  | 103467 |  |

“TODAY”

We have linked Hayu form to cognate set 2389:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Language** |  | **Alignment** | | | | | | | | | | | | **New Cog** | **Old Cog** |  |
| Gyalsumdo |  | t̪ | i | ɹ | i | ŋ |  |  |  |  |  |  |  | 102389 |  |  |
| Jirel |  | tʰ | ə | ɹ | i | ŋ |  |  |  |  |  |  |  | 102389 |  |
| Kagate |  | t̪ | i | r | i | ŋ |  |  |  |  |  |  |  | 102389 |  |
| Lowa |  | t̪ | i | ɾ | i | ŋ |  |  |  |  |  |  |  | 102389 |  |
| Nubri |  | t̪ | i | ɹ | i | ŋ |  |  |  |  |  |  |  | 102389 |  |
| S\_Hayu |  | t | ɿ | r | ɿ | - |  |  |  |  |  |  |  | 102389 | 2250 |
| S\_Old\_Tibetan |  | d | e | r | i | ŋ |  |  |  |  |  |  |  | 102389 |  |
| S\_Tibetan\_Alike |  | t | e | r | a | ŋ |  |  |  |  |  |  |  | 102389 |  |
| S\_Tibetan\_Batang |  | - | a | r | i | - |  |  |  |  |  |  |  | 102389 |  |
| S\_Tibetan\_Lhasa |  | - | ə | r | i | - |  |  |  |  |  |  |  | 102389 |  |
| S\_Tibetan\_Xiahe |  | t | e | r | a | ŋ |  |  |  |  |  |  |  | 102389 |  |
| Sherpa |  | - | a | r | i | ŋ |  |  |  |  |  |  |  | 102389 |  |
| Tsum |  | t̪ | i | ɾ | i | ŋ |  |  |  |  |  |  |  | 102389 |  |
| Yolmo |  | t̪ | i | ɹ | i | ŋ |  |  |  |  |  |  |  | 102389 |  |

“WHEAT”

We have linked Asti form to 8560:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Language** |  |  | **Alignment** | | | | | | | | |  | **New Cog** | **Old Cog** |  |
| Kagate |  |  | n | ẽ | j | ã | - | - | - | - |  |  | 108560 | 108477 |  |
| S\_Atsi |  |  | m | ə | j | a | ŋ | j | a | ŋ |  |  | 108560 |  |
| S\_Bola |  |  | m | ɛ | j | a | - | - | - | - |  |  | 108560 | 108477 |
| Tsum |  |  | n | e | - | - | - | - | - | - |  |  | 108560 | 108477 |
| Yolmo |  |  | n | e | - | - | - | - | - | - |  |  | 108560 | 108477 |