

TURKIC-MONGOLIC-TUNGUSIC MATCHES ON THE 400-ITEM WORDLIST: A ROUGH ANALYSIS

1. General comparative table

Notes:

- (a) **red** = direct lexicostatistical matches between 2 or 3 families with precisely matching semantics and *generally regular* phonetic correspondences
- (b) **green** = direct lexicostatistical matches between 2 or 3 families with precisely matching semantics and *somewhat problematic* phonetic correspondences
- (c) *italicized* forms represent items whose original semantics is clearly different from the 400-item list meaning as per family-internal evidence (e.g. Turkic **ba:ri* ‘all’ < *ba:r ‘there is’, etc.)
- (d) ↔: indicates a potential «semi-match» with a cognate from a different branch with different semantics (indicated and counted *only* if the compared word is well-reconstructible on the proto-level and has a discrete, well-established meaning)
- (e) [#]: indicates uncertainty of reconstruction (usually the word is the best of all available candidates for the particular proto-slot, but is semantically, phonetically, or distributionally problematic)
- (f) [< X.]: indicates highly probable borrowing (i.e. situations where a loanword scenario finds stronger arguments than a genetic relationship scenario)

Word	Turkic		Mongolic	Tungusic
ALL	<i>*ba:ri</i>		<i>*bügü-de</i>	—
ANIMAL	<i>*geyik</i>	<i>*(H)añ</i>	<i>*göre'e(-sün)</i>	<i>*bey- [#]</i>
ANT	<i>*kumir-</i>	<i>*čumeli-</i>	<i>*sirgo-lži</i>	<i>*xi:rü-kte</i>
ARM	<i>*kol-</i>	<i>*Kar</i>	<i>*gar-</i>	<i>*ŋa:la</i>
ARMPIT	<i>*koltuk</i>		<i>*su'u</i>	<i>*xoga-ni:</i>
ARRIVE	<i>*yēt- (? < *yē-t-)</i> ↔ TM <i>*ži-</i> 'come'	<i>*e:r-</i> ↔ MG <i>*ire-</i> 'come'	<i>*kür- ↔ TK *gi:r-</i> 'enter'	<i>*is-</i>
ARROW	<i>*(H)ok</i>		<i>*sumu-n</i>	<i>*luki: ~ *leki:</i> <i>*ŋuru [#]</i>
ASHES	<i>*kül ↔ MG *köl-či-</i> 'to heat'		<i>*hüne-sün</i>	<i>*pul[ŋ]e⁻¹</i>
ASK	<i>*Hay-it-</i>		<i>*hasa'u-</i>	<i>*panŋu:-</i>
AXE	<i>*baltu</i>		<i>*süke</i>	[<i>*suke < Mg.</i>]
BACK ₁	<i>*arka</i>		<i>*aru</i>	<i>*arka-n</i>
BACK ₂	<i>*Ha:rt</i>	<i>*soŋ-</i>	<i>*koyi-</i>	<i>*xamar</i>
BAD	<i>*yab- ~ *yam-an-</i>		<i>*ma'u</i>	<i>*us(a)</i>
BARK ₁	<i>*Ka:p-uk</i>	<i>*Kadıř</i>	<i>*kali-sun</i> <i>*koltu-sun</i> ↔ TM <i>*xalu-kta</i> 'membrane'	<i>*xura-kta</i> ↔ MG <i>*körü-sün</i> 'upper layer'
BARK ₂	<i>*(H)ür-</i>		<i>*kuča- ↔ TK *Kič-gir-</i> 'shout'	<i>*goba-</i>
BE	<i>*er-</i>	<i>*bo:l- ↔ MG *bol-</i> 'become'	<i>*büyi-</i>	<i>*bi-</i>
BEAK	<i>*tumı-uk</i>		<i>*kosi-'un</i>	—
BEAR (child)	<i>*dog-</i>		<i>*töre ↔ TK *töre-</i> 'originate'	<i>*bal-di- ↔ TK *ba:la</i> 'child'
BEARD	<i>*sakkal</i>		[<i>*sakal < Tk.</i>]	<i>*gurga-kta ~ *burga-kta</i>

¹ Problem: PTM should probably be **pule-*, with sporadic **-l- > -n-* in Nanaic, rather than hypothetical **pulŋe-*. If so, comparison with PMg **hüne-* should either be eliminated or require additional explanation.

Word	Turkic	Mongolic	Tungusic
BEE	*Ha:ri	*žögey	*xapina-bu- [#]
BELLY	*Kařin	*ke'eli	*uri ↔ TK *ö:r, MG *örü 'inside'
BIG	*ulu-g ↔ MG *ola-n 'many'	*yeke ~ *(h)ike	*amba-
BIND	*b(i)a:-	*küli- ↔ TM *xili- 'plait'	*uyi-
BIRD	*Kul ↔ TM *xo:li: 'raven'	*siba-'un	*gasa
BITE	*(H)isir-	*kaža- *ža'u-	*kik-
BITTER	*Hia:či-g	*gasi-'un	*goti-
BLACK	*Kara	*kara	*saka-ri:n *kořna-ri:n ↔ TK *Kořur 'dark-brown'
BLIND	[*sokur < Mg.]	*soka-r	*bali [< MG *balay 'dark?']
BLOOD	*Kia:n	*či-sun ↔ TK *di:n 'breath'	*se:(g)-kse
BLOW	*(H)ür-	*hüli'e-	*pu:-
BODY	*bod	*beye ↔ TM *beye 'person'	*ilse #
BOIL	*bič-	*čina-	*ule:-
BONE	*siřök	*ya-sun	*giram-
BORE	*del- ~ *deł- ↔ TM *del-ki- 'split'	*sete-'e- [#]	—
BOTTOM	*dü:p ↔ MG *do'a- 'below'	*hir-	*pere
BOW	*ya:	*numu-n	*beri
BRAIN	*beyni ↔ MG *maňlay 'forehead'	*tarVki	*irge
BRANCH	*bu:ta-k ↔ MG *buta 'bushes'	*gesi-'ün	*gara
BREAK	*si:-	*ebde-	*payu:- *buya-
BREAST (fem.)	*em- *čiči- ↔ MG *če'eži 'chest'	*köke-n ↔ TK *gökür 'chest'	*ku:- ~ *(x)uku- ↔ TK *gökür 'chest'
BREATHE	*ti:n ↔ MG *či-sun 'blood'	*ami-	*eri-

Word	Turkic		Mongolic	Tungusic	
BRING	<i>*gəl-dür-</i>		<i>*ab-či-ra-</i>	<i>*ga-ži-</i>	
BROTHER-a	<i>*(i)a:ka</i>	<i>*ačay ~ *ečey</i>	<i>*aka</i>	<i>*akü-n</i>	
BROTHER-b	<i>*(H)ini</i>		<i>*de'ü</i>	<i>*neku-n</i>	
BROW	<i>*Ka:Í</i>		<i>*kümü-ske</i>	<i>*sarimi:-kta ↔ MG *sormu- 'eyelash'</i>	
BURN (intr.)	<i>*köŋ-</i>	<i>*yan-</i>	<i>*sita- [#]</i>	<i>*žeg-de- ↔ TK *yak- 'burn (tr.)'²</i>	
BURN (tr.)	<i>*yak-</i>		<i>*tüle-</i>	<i>*žeg-de-gi-</i>	
BUTTOCKS	<i>*göt</i>		<i>*ögžeg [#]</i>	<i>*ura</i>	
CALL	<i>*Hoki-</i>		<i>*uri- [#]</i>	<i>*xe:ri:-</i>	
CARRY	<i>*əlt-</i>		<i>*e'üre-</i>	<i>*(x)ünü:-</i>	
CATCH	<i>*tut-</i>		<i>*bari- ↔ TK *bar 'there is'</i>	<i>*žapa-</i>	
CHEEK	<i>*ya(y)ŋak</i>		<i>*kačVr</i>	<i>*an(da)-</i>	
CHEST	<i>*gökür</i> ↔ MG <i>*köke-n</i> , TM <i>*(x)uku-</i> 'breast'		<i>*če'eži ↔ TK *čiči- 'breast'</i>	<i>*tüŋe</i>	
CHEW	<i>*čAy-na-</i>		<i>*žaj-i-</i>	<i>*sia-</i>	
CHILD	<i>*ba:la ↔ TM *bal-di- 'bear'</i>		<i>*ke'ü</i>	<i>*pu-te ~ *pi-kte</i>	
CHIN	<i>*eŋek</i>		<i>*eri-'ün</i>	<i>*gia(-)ka:n</i>	
CLEAN	<i>*arı-</i>		<i>*ari-'un</i>	—	
CLOSE	<i>*Kap-</i>	<i>*yap-</i>	<i>*ka'a-</i>	<i>*so:mi-</i>	<i>*dali- (see 'hide')</i>
CLOUD	<i>*bulut</i>		<i>*e'üle-n</i>	<i>*tuge-kse</i>	
COAL	<i>*kömür</i>		<i>*ne'üre-sün</i>	<i>*xial- ↔ MG *kala- 'to heat'</i>	
COLD	<i>*soğ-i-k</i>		<i>*köyite-n ↔ TM *xiŋü:- 'cold weather'</i>	<i>*gils-i ↔ TK *Kí 'winter'</i>	
COME	<i>*gəl-</i>		<i>*ire- ↔ TK *ę:r- 'arrive'</i>	<i>*ži- ↔ TK *yę-t- 'arrive'</i>	<i>*eme-</i>

² Problem if the PTM reconstruction should really be **žeg-de-* rather than EDAL's more dubious **deg-že-*.

Word	Turkic	Mongolic	Tungusic
COUGH	*üksür- ~ *üskür-	*kani'a-	*simki-
COUNT	*sa:/y/-	*to'a-la-	*taŋ-
COVER	*(H)ört-	*kuči-	*dasi-
CRAWL	*yi:l-	*mölkü-	*mirkü-
CROW	*KArga	*keri'e	*ga:ki:
CRY	*yi:g-	*uyi-la- ↔ TK *iyŋa-la- 'moan'	*soŋa-
CURSE	*Kařa-	*kariya-	*niŋi:-
CUT	*kes- ↔ MG *kasu- 'to subtract'	*ker-či- ↔ TK *Kir- 'to scrape'	*mü:-
DANCE	*büdi-	*böži- ³	*pe:že-
DARK	see <i>BLACK</i>	see <i>BLACK</i>	see <i>BLACK</i>
DAUGHTER	*Ki:ř	*oki-n ↔ TK *ök 'mother (arch.)' ⁴	—
DAY	*gün	*edür	*ine-ŋi:
DEEP	*deriŋ	*gün	*suŋta
DESCEND	*e:n-	*ba'u-	*ebu-
DEW	*čiy-ik	*si'ü-der ↔ TK *šu:-kse 'juice'	*sile-kse
DIE	*öl- ↔ MG *öl- 'hungry'	*ükü-	*bu-
DIG	*e:ł-	*malta-	*xule:-
DIRTY	*kir-	*bužar ⁵	*ŋaŋ-
DISAPPEAR	*(H)ič-	*(h)us-ta- ⁶ [#]	—
DO	*Ki-l-	*ki-	*o:-

³ Exactly the same consonantal correspondence here as in Turk. *Edi : Mong. *ežen 'host'; not reasonable to separate these items as it is done in EDAL.

⁴ TM *uKu 'female of canines' (not just 'female', as in EDAL) is too distant semantically.

⁵ Mongolic *kir* 'dirt' is borrowed from Turkic.

⁶ Not an EDAL etymology, but acceptable if Mong. *-st- < *-čt- (this is a fairly common development for *č in clusters).

Word	Turkic	Mongolic	Tungusic
DOG	*iyt	*nokay	*ŋinda-
DREAM (n.)	*dü.ı	*ž'e'ü-dün	*tol-ki-n ⁷
DRINK	*ič-	*u'u- ↔ TK *o:p- 'to suck in'	*umi- ↔ MG *um-da('a)n 'drink (n.)'
DRUNK	*ešür-	*sog-ta-	[*sokto- < Mg.]
DRY	*Kuri-	*ka'uray	*xolg-o-
DUST	*to:ı ↔ TM *tu:r- 'earth'	*to'u-sun ↔ TK *top-rak 'earth'	*bure-ki ↔ MG *burgi- 'to rise /of dust/'
EAR	*Kul-kak	*čiki ↔ TK *čeke 'temple'	*sian
EARTH (soil)	*topra-k ↔ MG *to'u-sun 'dust'	*siru-'ai ↔ TM *siru- 'sand' ⁸	*tu:rV- [#] ↔ TK *to:ı 'earth'
EARTH (land)	*yę	*gažar	*na:
EAT	*ye:-	*ide- ↔ TK *et-mek 'bread'	*že(-)p-
EDGE	*Kır- ↔ TM *giri 'shore'	*kaya'a [#]	—
EGG	*yumur-tka	*öm(-)de-gen ~ *em(-)dü-gen	*umu:kta
ELBOW	*dir-sek	*tokoy	*(x)ü.nče:-n ⁹
EMPTY	*boı	*ko'u-sun ↔ TK *Kob- 'hollow'	*gebu-
END (vb.)	*büt- *tüke-	*tögüs-	*xod-
ENEMY	*yagi	*dayi-sun	*barg-uk
ENTER	*gi:r- ↔ MG *kür- 'arrive'	*oro-	*i:-
EVENING	*ge:č-e *iñir	*oray	*sikse
EXIT	*čik-	*gar-	*ɲube- [#]
EXTINGUISH	*öč- *sö:n-	*sönü-	*si:- *gup-

⁷ Mongolic *tölge 'divination' is phonetically compatible, but semantically non-trivial.

⁸ Turkic *sıar 'marsh, swamp' is possibly related, but is too semantically distant from 'soil'.

⁹ EDAL: cognate with Mg. *kanču- 'sleeve', Tk. *Konč 'top of boot'; both connections semantically problematic.

Word	Turkic		Mongolic	Tungusic
EYE	*gör		*ni(-)dü-n	*(n)yasa ¹⁰
FACE	*yür	*bet-	*ni'ur	*de:re ↔ MG *čiray 'facial expression'
FALL	*dül-		*una-	*tük-
FAR	*Hira-k		*kola	*gora
FATHER	*ata		*ečige	*am-
FAT	*ya:g		*e'tükü ~ *ö'ekü	*ximu:-
FAT (adj.)	*semi-ř		*targu-n	*dira-m
FEAR	*kork-		*ayu- ↔ TK *ey-men- 'beware'	*ne:le-
FEATHER	*tü:k	*yüg-	*hö(-)dün	*dek-te-
FEEL	*sEr ↔ MG *seri 'to wake up'		—	—
FEMALE	*dili		*eme	*asi:
FIGHT	*gErül- [#] ↔ MG *kere- 'quarrel'		*teme-če-	*kusü:- ↔ TK *gü:č, MG *küči-n 'power'
FIND	*bul-	*tap-	*ol-	*baka-
FINGER	*biar-ŋak		*kuru-'un ↔ TM *xuru:-n 'hoof'	*xuŋa-kan
FIRE	*Ho:t		*gal	*toga
FISH	*ba:lik		*žiga-su	*xol-so
FIST	*yidruk ~ *yudruk		*nidur-ga	*nurga
FLAT	*yalp-ak ↔ MG *dalbayi- 'flat & wide'		*kabta-gay	—
FLEA	*bür-		[*bürge < Tk.]	*sura
FLOW	*(H)iak-		*urus-	*xeye-
FLOWER	*čeč-ek		[*čečeg < Tk.]	*xila-

¹⁰ EDAL's matching between Mongolic and Tungusic rests on too many unique assumptions for Tungusic (low probability of original *ŋ- and questionable segmentation into *ŋya-sa).

Word	Turkic	Mongolic	Tungusic
FLY (vb.)	*uč-	*nis-	*deg- ↔ MG *de'e- 'up, above' (? + ↔ TK *da:g 'mountain')
FLY (n.)	*siŋe-k	*hila'a	*dilu-
FOOT	*Hadak ↔ TM *pagdi 'sole' ¹¹	*köl ¹²	*palga-n
FOREST	*(H)or(-)man	*hoy ↔ TK *Hi 'tree'	*pure [#]
FORGET	*uma(-)n-(it-)	*umar-ta-	*omŋo-
FREEZE	*doŋ *üli-	*köl-de-	*gekti-
FRESH	*ya:ı ↔ TM *ŋali- 'raw'	*sine ↔ TK *yaŋi 'new'	*ime-kin
FRIEND	*e:ı	*nayı- *nökör	[*anda < Mg.]
FROG	*b(i)a:kka	*mele-key	*xereki:
FRONT	*öŋ ¹³ *il- [#]	*emü-ne	*žule
FULL	*do:l-i ↔ MG *del(ge)- 'spread, expand'	*dü'üre-	*žalu-m ↔ MG *del(ge)- 'spread, expand'
GALL	*(H)öt	*söl-sün	*si: ~ *si:l-se
GATHER	*de:r-	*te'ü-	*tab-
GIVE	*be:r-	*ög-	*bu:-
GLUE	*ye:lim ↔ TM *da:l- 'to stick'	*žil-sun ↔ TM *da:l- 'to stick'	*kamdu-
GNAW	*gEm-ür-	*kemeli- ¹⁴	*kerji-
GO	*bar-	*yabu-	*ŋene-
GOOD	*yak-ıı *ed-gü	*sayi-n ↔ TK *sağ 'healthy'	*aya

¹¹ Mg. *(h)adag 'end, extremity' "cannot be < Turk." according to EDAL, but not clear why (some of the abstract meanings of the Mg. word are well attested across Tk. sources, and it is only found in Central Mg. and is not the main word for 'end' in PMg.).

¹² A good phonetic match with Mg. *Kol 'arm', but semantically far too distant.

¹³ Mg. *öŋge 'appearance' is probably borrowed from Tk. (cf. polysemy 'front / appearance' in Tk. vs. only 'appearance' in Mg.).

¹⁴ Mg. may be derived from *kemi 'soft bone' (but this does not automatically discredit the etymology).

Word	Turkic	Mongolic	Tungusic
GRASS	*(H)ot	*ebe-sün	*ora:-kta
GREEN	*ya:l-il	*noga-'an	*ču:- *no:-
GROW	*ös- *ön:n- ↔ MG *ön- 'high'	*ös- ¹⁵ *urgu-	—
HAIL	*dolu	*möldür ~ *möndür	*bo:- [#]
HAIR ₁	*s(i)ač	*hü(-)sün	*ju:ri-kte
HAIR ₂	*tü:k	*hü(-)sün	*xijŋa-kta ¹⁶
HALF	*yar-im	—	*kalta-ka
HAND	*el	*gar	*ŋa:la
HANG	*Has- ↔ TM *pasi- 'to hang (oneself)'	*elgü- ↔ TK *i:l- 'to hang on a hook'	*loko-
HARD	*Kaŋ-ik	*kata-'u	*manga
HATE	*yer- [#] *yig-re-n- [#]	*žig- [#]	*galu-
HEAD	*bałč	*tolu-gai *teri-'ün	*dili ↔ MG *žulay 'sinciput'
HEALTHY	*sağ ↔ MG *sayi-n 'good'	*ere-'ü-	*aya [#]
HEAR	*elit- ↔ MG *al-dar 'fame'	*sono-s-	*do:ldi:- ¹⁷
HEART	*yürek	*žirüke ¹⁸	*miawan ~ *mianam
HEAVY	*iağı-r	*küdü	*xurge
HEEL	*(H)ökče ↔ TG *peki- 'to trample'	*ösügey	*nü:ŋ-ti
HIDE	*yal- ↔ MG *dal-da 'hidden' ↔ TG *dali- 'to close'	*ni'u-	*žaya-

¹⁵ Reconstructible as *ös- for both Proto-Tk. and Proto-Mg.; no clinching phonetic, semantic, or distributional arguments in favor of borrowing.

¹⁶ Comparison with Tk. *Kil 'hair (single)', Mg. *kilga-sun 'horse hair' is phonetically unclear (*xijŋa- could be < *xilŋa-, but then what is *-ŋa-?).

¹⁷ Hardly related to Tk. *dül-ün- 'to think', which is likely derived from *dül- 'to fall' (a common semantic link in the Tk. area).

¹⁸ Mg. is more believable as an early borrowing from Tk. than a historical cognate (preservation of an intact triconsonantal structure of this type is not highly probable). Random thought: could Tk. *yürek be < *dü-re-k (cf. *kök-rek 'breast') where the root is = Mg. *do-, Tg. *do: 'inside'?

Word	Turkic		Mongolic		Tungusic	
HIGH	—		*ön- ↔ TK *ö:n- ‘grow’		*gugda ↔ MG *gügde- ‘protrude’	
HIT	*sok-	*Hur-	*dele- ↔ TM *del- ‘split’	*žan-či-	*dug-	*ikte- [#]
HOLE	*Hüt ↔ MG *hütü-gü ‘vagina’		*nüke-n		*saŋa-r	
HONEY	*bał		*bal [< Tk.]		*kia(b)ksu	
HOOF	*tuy-ŋak		*turu-’un ~ *tu’uray		*xuru:-n ↔ MG *kuru-’un ‘finger’	*kokča:-n
HORN	*buyŋur ↔ MG *mö’er-sün ~ *mönger-sün ‘cartilage’		*eber		*xü(:)ye	
HOT	*Hisi-g ~ *Hisi-g		*kala-’un ↔ TM *xial- ‘coal’		*peku-	
HOUSE	*Heb		*ger		*ži:b	
HUNGRY	*a:č		*öl-		*xomi:-	
HURT (intr.)	*ağir-		*ebe-d-		*enu:-	
I ₁	*bi ~ *be-n		*bi		*bi	
I ₂	*be-n	*-(I)m	*mi-n-	*na-ma-	*mi-n	
ILL	see <i>HURT</i>		see <i>HURT</i>		see <i>HURT</i>	
INSIDE	*ič		*do(-)ta-		*do:	
INTESTINES	*biagir-sVk		*gede-sün (see <i>STOMACH</i>)		*silu-kta	
JUMP	*se:k-		*hesür(e)-		*purk-	
KIDNEY	*böğür		*bö’ere ¹⁹		*boso-kta	
KILL	*öl-(t)ür-		*ala-		*wa:-	

¹⁹ Mg. may be borrowed < Tk. *böğür-ek, but cf. also Mg. bö’ere-ŋkei ‘round’, *bö’e-m ‘ball, lump’ (not clear whether external or internal etymologization is better).

Word	Turkic	Mongolic	Tungusic
KISS	*öp-	*ožu-	*ɲuka:-
KNEE	*di:ɾ	*ebü-düg	*peɲɲe-n
KNOW	*bil- *taɲu- [#]	*mede-	*sa:-
LAUGH	*gül-	*(h)iniye-	*iɲe-
LEAF	*yapur-gak	*nabči (*l- ?)	*xabda-nsa
LEAVE (tr.)	*kia:l-	*hüle-	*sula-
LEFT	*so:l	*že-'ün	—
LEG	*bu:t	*köl	*begdi
LICK	*ya:l-(g)a-	*dolu'a-	*ile-
LIE	*yaɾ-	*keb-te-	*puk-le:- [#]
LIGHT (n.)	*yaru-k	*gerel	*ɲeri
LIGHT (adj.)	*yen-gül	*köɲ-gen	*xeɲüm
LIP	*Erin	*huru-'ul	*pemu-n
LISTEN	*diɲ-la-	*čiɲ-la-	*do:lɟi:-(či-)
LIVE (exist)	*di:ri-	*am-	*in-
LIVE (dwell)	—	*am-	*bi-
LIVER	*biagir	*heligen	*pa:kin
LIZARD	*kel-	*gürbel	*isele:
LONG	*ur-in	*ur-tu	*ɲo:limi
LOOK	*bak-	*kara-	*iče-
LOSE	*yit-	*ge'e-	*buri:-
LOUSE	*biyt	*bö'e-sün	*ti-kte *kumke [#]
LOVE	*seb-	—	*aya-bu-

Word	Turkic		Mongolic	Tungusic
LOW(ER)	*al		*do'u	*per-gi:
LUNG	*öpke		*a'uski	*xeb-te
MALE	*Hərkek		*ere	*xüse
MAN	*He:r		*ere(-g-tei)	*ɲ(i)ari
MANY	*köp		*ola-n	*egdi
MARROW	*yilik		*čimöge	*xuma:-
MEAT	*et		*mikan	*ule-
MILK	*sü:t		*(ü)sü-n	*ku:- ~ *(x)uku-
MIX (vb.)	*Kiar-	*Kat-	*koli-	*so:l-
MOON	*a:ɲ ↔ TM *aɲa 'year'		*sara	*biaga
MORNING	*e:r	*yaɾın [#]	*ür-lüge	*tima:-ni
MOTHER	*ana ~ *ene		*eke	*eɲ-
MOUNTAIN	*da:g		*a'ula-n	*xure:
MOUSE	*sič-gan		*kul-gana	*siɲere-
MOUTH	*Ağır		*ama-n	*amɲa
NAIL (finger)	*dir-ɲak		*kimul-su	*xosi:-kta
NAKED	*yaɻıɲ		*ničü-gen	*nila-bu-
NAME	*a:t		*nere	*gerbü:
NARROW	*d(i)a:r		*hi'u-tan ~ *hu'i-tan	*silim- [#]
NAVEL	*ki:(-n)	*gö:pek	*köy-(il)-sün ²⁰	*xulɲu-
NEAR	*yaɻu-k		*oyi-ra	*daga

²⁰ Tracing the Tk. and Mg. forms back to smth. like *köy- with suffixation seems easier than to define *-l- as part of the root and drag the Tg. form into the comparison as well (as is done in EDAL).

Word	Turkic	Mongolic	Tungusic
NECK	*bo:yn	*küžü-'ün	*moN-
NEEDLE	*(H)iñ-ne	*že'ü-n	*xülme
NEST	*(H)uya	*he'ür	*pubi ~ *pebi ²¹
NEW	*yañi ~ *yeñi	*sine	*xirke
NIGHT	*tün	*söni	*dolbo
NIT	*sirke	*ki'ur-sun	*xu:-kte
NOSE	*burun	*kabar ~ *kamar	*xoŋo-kto *ñiaksa
NOT (indic.)	*=ma-	*e(-)se *ülü	*e-
NOT (prohib.)	*=ma- *en [#]	*bü	*e-
OIL (fat)	*ü.r	*to(-)sun	*ximu:-
OLD (things)	*eskü	*kagu-či-	*goro-pti [#]
OLD (people)	*Kaři	*kög-si-	*sagd-i:
ONE	*bi(:)r	*nige	*em-
OPEN	*ač-	*ni'e-	*ne:y-
OTHER	*bałka *örge	*busu- *ö'ere	*gia ~ *goy
OUTSIDE	*dał	*gada-	*tuli:-
PAINT	*bodo-	*budu- (< Tk.)	*debe-
PAIR	*Koł	*kos (< Tk.)	*te:ri:
PALM	*(H)a:ya ²²	*hala-gan	*palŋa

²¹ The Mg.-Tg. comparison looks solid, but Tk. *(H)uya, included in the same etymology in EDAL, is quite dubious because of the rare and uncertain development *-b- > *-y- (it seems more justified in clusters, but hardly so in the intervocalic position). Perhaps consider instead comparing with *Heb 'house'?

Word	Turkic		Mongolic		Tungusic
PENIS	*sik [#]		*či̯be		*či̯ču
PERSON	*kīli		*kümün		*beye
POISON	*a:gu		*ko(w)ra		*gu:
POUR	*dök-	*Kud-	*aska-	*čitku-	*xun̄ku-
PREGNANT	*bogař		—		—
PRESS	*bas-	*sik-	*daru-	*sika-	*tire:-
PULL	*dart-		*tata ²³		*ta:n-
PUPPY	*en-(č)ük		*gölige		*kači-ka:n
PUS	*iri-ŋ		*hö'e-		*ja:kse
PUSH	*it-	*dürt-	*tülki-		*ana-
PUT	*Kod-	*sal- [#]	*ta(l)bi-		*ne:-
RAIN (n.)	*yag-mur		*kura	*tü̯g-de	*aga [#]
RAIN (vb.)	*yag-		—		—
RAW	*čiy-ik		*tü'ü-key		*jali-
RED	*Ki:ř-il		*hula-'an		*pula-
REST	*di:n [#]		*amu-		*teye- [#]
RIB	*(H)eyekü		*kibir-		*xeb-ti-le
RIGHT	*(H)oŋ		*bara-'un		*a:ŋgi-
RIPE	*biłč-		*bol-		*xür-
RISE (sun)	*Kał(i)-		*mandu-		*tuki- ~ *tukti-

²² Tk. *(H)a:ya requires a unique correspondence (cluster) to be relatable to the Mg.-Tg. isogloss; rejected. (On the other hand, cf. Tk. *uba- ~ *uya- 'shame', but here one might suppose additional influence of the labial vowel).

²³ EDAL's comparison of *dart- and *tata- is hard to justify (completely irregular correspondences).

Word	Turkic		Mongolic		Tungusic	
RIVER	*sib		*mören	*go(w)l	*bira	*mamŋu
ROAD	*yo:l		*mör		*pokto	
ROAST	*KAgur-		*sira-	*kayira- ~ *ka'ari-	*dalga-	
ROLL	*yub- (*yum-)		*höŋke-ri-		*puke-	
ROOT	*daŋor	*yıldır	*ündü-sün	*hiža'ur	*nü:ŋte	*daga
ROPE	*ba:-g		*de'e-sün		*usi: [#]	
ROTTEN	*çer-		*(h)ilži- [#]		*ŋa:-	*munu- [#]
ROUND	*Tegir- ~ *tekör-	*yum-	*tögerig [< Tk.]		*mur- [#]	*boŋ- [#]
RUB	*sür-	*si:l- ~ *si:la-	*hürü-		*piKi- [#]	
RUN	*yügür-		*güyi-		*tut-	
SALIVA	*silü-key [#]		*silö-sün		*žali-ksa	
SALT	*du:ř		*dabu-sun		*tak- [#]	
SAND	*Kum		*ele-sün		*siru-	*iŋa:
SATIATED	*dod-	*dok [#]	*čad-		*ele-	
SAY	*de:-		*ge'e- ~ *ke'e-		*gu:n-	
SCRATCH	*dir-ma-		*ma'a-ži-		*xosi:-	
SEARCH	*i:ř-te- ~ *i:r-te-		*eri- ²⁴		*gele:-	
SEE	*gör-		*üže-		*iče-	
SEED	*(H)ur-ug		*hüre		*üse	
SELF	*ö:ř	*KęnTü [#]	*ö'er		*me:n	
SEND	*i:d-		*ile-'e-		*uŋ-	

²⁴ Tk. is formally derived from *i:ř ~ *i:ř 'trace, track', but this does not disqualify the possibility of common origin with Mg. *eri- (although the etymology is not found in EDAL).

Word	Turkic	Mongolic	Tungusic
SHADOW	*köl-	*se'ü-	*paŋan
SHAKE	*sil-k-	*segsü-re- [#]	—
SHAME	*(H)uba- ~ *(H)uya-	*hiče-	*pa:lže-
SHARP	*yiti *sibri	*kurča	*xember
SHINE	*yaru-	*gila-	*garpa-
SHIT	*sič-kak	*ba'a-sun	*(x)amu:-n
SHOOT	*Haṭ-	*karbu-	*garpa-
SHORT	*Kis-ga	*hokar	*xurümü-
SHOULDER	*(H)egin	*mörü-n	*müre
SHOW	*gör-	*üže-ge-	*iče-b-ken-
SINEW	*siŋir	*sirmö- ~ *sirrö- *sinda-sun [#]	*sumu(l)
SING	*(y)ir-la-	*da'u-la-	*ike:-
SISTER	*apa [#] *siŋil	*egeče *de'ü	*eKe *neku-
SIT	*ol-(t)ur-	*sa'u-	*tege-
SKIN	*deri	*ar[a]-sun	*xere-kte
SKY	*teŋri	*teŋgeri [< Tk.]	*ŋaŋŋa
SLEEP	*u:-	*unta-	*a:w-
SMALL	*kičü-g	*öčü-ken	*ŋüši-
SMELL	*yid	*hüni-r	*ŋo: *puŋ
SMOKE	*tüt-	*hutu-'an	*saŋŋan
SNAKE	*yɨ:l-an	*mogay	*mü:ki
SNEEZE	*aksir- ~ *askir-	*nayı-ta-	*iag-si-
SNORE	—	*kurki-ra-	*ligi-

Word	Turkic	Mongolic	Tungusic
SNOT	*simük	*ni-sun	*ili-ksa
SOFT	*yim-Í(č)a-k	*žö'ele-n	*nem-
SON	*(H)ogul	*ke'ü	—
SOUR	*Hia:či-g	*is-ke-leŋ	*žuyi-
SPEAK	—	*kele-	*ture:-
SPEAR	*sünü	*žida	*gida
SPIT (vb.)	*tüp-k-ür- *sud-	*nilbu-	*tupi-
SPLEEN	*d(i)a:l-	*deli-'ün	—
SPLIT	*yar-	*kaKa-	*del- ↔ MG *dele- 'to hit'
STAND	*dur-	*bayi-	*ili-
STAR	*yulduř	*ho(-)dun	*xo:si-hta
STAY	*Kia:l-	*hüle-de-	—
STEAL	*(H)ogri-la- ~ *(H)ogir-la-	*kula-gu-	*žoro-mi-
STEP (n.)	*(H)a:t-im	*alku(-m)	*gira-
STICK (n.)	*daya-k	*mo(-)dun (see TREE)	*mo: (see TREE)
STOMACH	*Kurg-sak	*gede-sün	*gudi(ge) [#]
STONE	*dia:Í	*čila-'un	*žolo
STRONG	*gü:č-	*küči-	*so:
SUCK	*em- *sor-	*soru- *sime-	—
SUN	*gün	*naran	*sigu:n
SWALLOW	*yu:t-	*žalgi-	*lümŋe-
SWEAT	*deş	*kölü-sün	*ŋe:-
SWEEP	*sipür-	*si'ür-	*xarpu-

Word	Turkic		Mongolic	Tungusic
SWEET	*sü:či-		*am-ta-	—
SWELL	*si:lč-		*kabV-d-	*xabul(i)-
SWIM	*yür-		*oyi-mu-	*pabri-
TAIL	*Kudruk		*se'ül	*xürgü
TAKE	*aɭ-		*ab-	*ga-
TASTE	*da:t-		*am-sa-	*am-ta-(la-) [< Mg.]
TEAR (vb.)	*ür-		*ur-	*xetü-
TEAR (n.)	*ya:ı		*nilbu-sun	*iN(i)amu:-kta [#]
TEMPLE	*çeke	*tuluj [#]	*čimarkai	—
THAT	*o-l		*te-re	*ta-
THIGH	*udluk	*sa:n	*guya	*ogo
THIN (1D)	*yiNč-ge		*nari-n	*nemi-
THIN (2D)	*yub-ka		*nimge-n	—
THING	*ne:-		*ya'u-ma	*žaka
THINK	*ö-		*sede- *bodu- [#]	*gu:n- [#]
THIS	*bu	*Kö [#]	*e-ne	*e-
THORN	*dik-en		*örge('e)-sün	—
THOU	*si ~ *se-n		*či	*si
THREE	*üč		*gu-rba-n	*ila-n
THROAT	*boguı		*ko'ulay	*bilga
THROW	*Hı̄t-		*kaya-	*no:da-
TIRED	*Hı̄r-		*yada-ra-	*deru:-
TONGUE	*dı̄l		*kele	*xilŋü

Word	Turkic		Mongolic	Tungusic	
TOOTH	*di:l		*si(-)dün	*xü:(-)kte	
TOP	*tepö		*hor-	*pora-n	
TOUCH	*deg-		*kür-	—	
TREE	*i-gaç		*mo(-)dun	*mo:	
TREMBLE	*Titire-		*silgü-	*silgü- (< Mg.)	
TURN (tr.)	*ebir-		*hurba-	—	
TWINS	*ək(k)i-ř		*ekire (< Tk.)	*ada-ku	
TWO	*ėkki		*koyar	*žube(r)	
UDDER	*yelin		*deleŋ	*ža(i)ža-	
UNDERSTAND	*(H)aŋ-la-	*(H)uk-	*uka-	*uti-l-	
UP(PER)	*Hö:r-	*(H)ü:ř	*de'e-	*ugi-	
URINE	*sid-dik		*si'e-sün	*šiK-e:n	
VAGINA	*(i)am		*hütü-gü ↔ TK *Hü:t 'hole'	*bab-	
VEIN	*damor		*sudal	*xunji:-kta	
VERY	—		*masi	—	
VOMIT	*Kus-		*bö'e-lži-	*xüse	
WAIST	*be:l(k)		*belke'ü-	*darama	*xengeŋe
WAIT	*gü:d- ~ *gü:t-		*küli-	*xala:-	
WAKE (intr.)	*(H)od-		*seri-	*sele-	
WALK	*yori- ~ *yüri-		*yabu-	*peli-	
WANT	—		*dura-	*čixa-	
WAR	*yagi (see ENEMY)		*dayi-n (see ENEMY)	*čabu-ka	
WARM	*yili-g		*dula-'an	*ɲama	

Word	Turkic	Mongolic	Tungusic
WART	*sigöl ~ *sögil	*he'ü	*peŋ-kte
WASH	*yu:-	*ugiya-	*xab-
WATER	*sib	*usu-n	*mu:
WE ₁	*bi-ř	*ba	*bu(e)
WE ₂	—	*bi-da	*mü-n-ti
WEAR	*ged-	*emü-s-	*tet-
WET	*Hö:l	*noyi-tan	*ula- *čip-
WHAT	*ne:	*ya-'un	*xia ~ *xai
WHISPER	—	*sibi-	*sibu-
WHISTLE	*sis-kir-	*(s)iskir- (< Tk.)	*küy- [#]
WHITE	*(H)A:k *Hürüŋ	*čaga-'an	*ča:-
WHO	*kem	*ke-n	*ŋü:
WIDE	*ge:ŋ	*örge-n	—
WIND	*yeł	*salki	*xedü-n
WING	*Ka:yna-t	*ži'ür ~ *žibür	*xasa-ki:
WINTER	*Kıl ↔ TM *gil(si)- 'cold'	*ebül	*tuge
WOMAN	*dıli	*eme	*asi:
WOOD	*Ho:t-un	*tüle-yen	*mo:
WORD	*sör *sa:b	*üge	*kese
WORM	*Kurt	*koro-kai	*kuli-
WOUND	*ba:ı	*sirka	*puye
YAWN	*esne-	*ebsi-ye-	*žebe-
YEAR	*yıl	*hon	*aŋŋa ↔ TK *a:ŋ 'moon'

Word	Turkic	Mongolic	Tungusic	
YELLOW	*siarig	*sira	*siŋa-	*so:-
YOU (pl.)	*si-í	*ta	*su(e)	
YOUNG	*ya.í	*žala'u	*puri-ken	

2. General statistics between Turkic, Mongolic, and Tungusic

Match types:

A = perfect semantic match + generally recurrent correspondences

(e.g.: Tk. *arka = Mg. *aru = Tg. *arka-n ‘back’)

A- = perfect semantic match + questionable phonetics

(e.g.: Mg. *hüne- = Tg. pul[n]e ‘ashes’)

B = «half-match» (semantic match between two elements of the 400-item list)

(e.g.: Tk. *ulu-g ‘big’ ≈ Mg. *ola-n ‘many’; Tg. *uri ‘belly’ ≈ Mg. *örü ‘inside’)

C = semantic match between a 400-item list element and a well-reconstructible potential semantic match outside of the 400-item list

(e.g.: Tk. *bu:ta-k ‘branch’ ↔ Mg. *buta ‘bushes’; Tk. *Kuł ‘bird’ ↔ Tg. *xo:li: ‘raven’)

Match type	Quantity	Words
A: TK+MG	53	ARM; BACK; BLACK ; BROTHER; CHEW; CLEAN; CLOSE; CROW; CURSE; DANCE; DISAPPEAR; DO; DRY ; END; ENEMY; EXTINGUISH; FACE; FAT ; FIST; FORGET; GLUE; GNAW; GROW; HARD; HATE; HEART ; I ; KIDNEY; LICK; LISTEN; LONG ; NAVEL; NEW ; PRESS; SALIVA; SEARCH; SEED ; SPLEEN; STONE ; STRONG; SUCK; SWEEP; TEAR (vb.); UDDER; UNDERSTAND; WAIST; WARM ; WE ; WHO ; WIND; WORM; YELLOW ; YOUNG
A-: TK+MG	5	MAN ; MILK; OTHER; WATER ; WHAT
A: TK+TM	22	BACK; BROTHER; DANCE; DREAM; FIST; FOREST; FORGET; FULL ; HAND ; I ; LIVER ; MOTHER; NEAR; NECK ; RIGHT; SOFT; SPIT; STONE ; THOU ; VOMIT; WE ; YOU
A-: TK+TM	7	BURN ; DOG ; EAT ; GIVE ; LEG; SLEEP ; TAIL
A: MG+TM	37	BACK; BE; BOTTOM; BREAST; BROTHER; DANCE; FIST; FORGET; GATHER; GREEN ; I ; INSIDE; LAUGH; LIGHT (adj.); MOUTH ; NEST; NOT ; OPEN; PALM; RED ; RIB; ROOT ; SHOULDER; SISTER; SMALL ; SMELL; SNAKE; STOMACH; STONE ; SWELL; THAT ; THIS ; TONGUE ; TOP; TREE ; URINE; WE ; WHISPER; WHITE
A-: MG+TM	6	ASHES ; CRAWL; EGG ; GALL; SINEW; WART
B: TK+MG [incomplete!]	14	ARRIVE / ENTER; ARRIVE / COME; BIG / MANY; BLOOD/BREATHE; BOTTOM / LOW(ER); BREAST / CHEST (x2); DAUGHTER / MOTHER; DIE / HUNGRY; EAR / TEMPLE; FEEL / WAKE; FOREST / TREE; GOOD / HEALTHY; HOLE / VAGINA
B: TK+TM [incomplete!]	10	ARRIVE / COME; BEAR / CHILD; BELLY / INSIDE; BORE / SPLIT; BREAST / CHEST; COLD / WINTER; DUST / EARTH; FRESH / RAW; HIDE / CLOSE; MOON / YEAR
B: TM+MG [incomplete!]	7	BELLY / INSIDE; BODY / PERSON; DAUGHTER / FEMALE; DUST / EARTH; EARTH / SAND; FLY / UP; HIT / SPLIT
C: TK+MG [incomplete!]	22	ASHES / heat; BARK ₂ / shout; BE / become; BEAR / originate; BRAIN / forehead; BRANCH / bushes; CATCH / there is; CRY / moan; CUT / scrape; CUT / subtract; DRINK / suck in; EAT / bread; EMPTY / hollow; FEAR / beware; FIGHT / quarrel; FLAT / flat and wide; FULL / expand; GROW / high; HANG / hang on hook; HEAR / fame; HIDE / hidden; HORN / cartilage
C: TK+TM [incomplete!]	8	BIRD / raven; BLACK / dark-brown; EDGE / shore; FIGHT / power; FOOT / sole; GLUE / stick; HANG / hang oneself; HEEL / trample
C: MG+TM [incomplete!]	16	BARK ₁ / membrane; BARK ₁ / upper layer; BIND / plait; BROW / eyelash; CLOSE / hidden; COAL / heat; COLD / cold weather; DEW (< 'to strain') / juice; DRINK / drink (n.); DUST / rise (of dust);

		FACE / facial expression; FIGHT / power; FULL / expand; GLUE / stick; HEAD / sinciput; HIGH / protrude
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3. Turkic-Mongolic & Mongolic-Tungusic A-type matches which can be interpreted both ways (inherited or borrowed):

TK+MG	16/58	BLACK (*Kara : *kara); BROTHER (*a:ka : *aka); CLEAN (*arı- : *ari-); CURSE (*Karga- : *kariya-); EXTINGUISH (*sö:n- : *sönü-); GROW (*ös- : *ös-); HEART (*yürek : *žirüke); KIDNEY (*böğür : *bö'ere); LISTEN (*dın-la- > Bulg. *čın-la- : *čın-la-); PRESS (*sik- : *sika-); SALIVA (*silü- : *silö-); STRONG (*gü:č- : *küči-); SUCK (*sor- : *soru-); SWEEP (*sipür- : *si'ür-); UNDERSTAND (*uk- : *uka-); WAIST (*be:lk : *belke-'ü-)
MG+TM	4/43	LAUGH (*iniye- : *iñe-); SISTER (*ege- : *eKe); WHISPER (*sibi- : *sibu-); WHITE (*čaga- : *ča-)

4. Numbers of A-type matches (400-item list vs. 100-item list):
(min = excluding A- matches and potential borrowings)

	Mongolic		Tungusic	
	max	min	max	min
Turkic	58 (16)	37 (10)	29 (14)	22 (8)
Mongolic			43 (16)	33 (13)

Conclusion: Even the «minimal» model still suggests extra unidentified borrowings either between Turkic and Mongolic, or between Mongolic and Tungusic. Perhaps such pairs as 'enemy', 'spleen', 'fist', etc. should also be regarded as borrowings.

4. Appendix: Automated consonant class matches between Turkic, Mongolic, and Tungusic

[recodings: Turkic *H-, Mong. *h- > F-; Turkic *y- > d´-; Mong. *-ʹ- (*-γ-) = *-B-]

*** Mongolic : Turkic (64)***

Mongolic FEAR (vb.) {*ayu-} = Turkic FEAR (vb.)* {ey-men-(1)}

Mongolic ARM {*gar} = Turkic ARM* {kar(1)}

Mongolic BACK1 (dorsum) {*aru} = Turkic BACK1 (dorsum) {arka}

Mongolic BACK2 (behind) {*koyi- } = Turkic BACK2 (behind)** {ke(-)d #}

Mongolic BEARD {*sakal} = Turkic BEARD (?) {sakkal}

Mongolic BLACK {*kara} = Turkic BLACK {Kara}

Mongolic BREAST (female) {*köke-n} ≈ Turkic CHEST {gökür}

Mongolic BROTHER {*aka} = Turkic BROTHER {(i)a:ka}

Mongolic CLEAN (adj.) {*ari-Bun} = Turkic CLEAN (adj.) {ari-}

Mongolic CLOSE {*kaBa-} = Turkic CLOSE {Kap-}

Mongolic CROW {*keriBe} = Turkic CROW {KArga}

Mongolic CURSE {*kariya-} = Turkic CURSE {Karga-}

Mongolic DARK {*kara-} = Turkic DARK {Kara}

Mongolic DEW {*siBü-der} ≈ Turkic WATER {sib}

Mongolic DO {*ki-} = Turkic DO {Ki-l-}

Mongolic DUST {*toBu-su(n)} ≈ Turkic EARTH1 {topra-k}

Mongolic EAT {*ide-} ≈ Turkic MEAT {et}

Mongolic END (vb.) {*tögüs-} = Turkic END (vb.)* {tüke-}

Mongolic EXTINGUISH {*sönü-} = Turkic EXTINGUISH* {*sö:n-}
 Mongolic FLEA {*bürge} = Turkic FLEA {*bür-}
 Mongolic FLOWER {*čečeg} = Turkic FLOWER {*čeč-ek}
 Mongolic FOREST {*Foy} ≈ Turkic TREE {*Fi-gač}
 Mongolic FORGET {*umar-ta-} = Turkic FORGET {*uma(-)n-(it-)}
 Mongolic GNAW {*kemeli-} = Turkic GNAW {*gEm-ür-}
 Mongolic GROW {*ös-} = Turkic GROW {*ös-}
 Mongolic HAND {*gar} ≈ Turkic ARM {*kar₍₁₎}
 Mongolic HARD (of subst.) {*kata-Bu} = Turkic HARD (of subst.) {*Kat-ik}
 Mongolic HIT (vb.)+ {*čoki- #} = Turkic HIT (vb.) {*sok-}
 Mongolic HONEY {*bal} = Turkic HONEY {*bal}
 Mongolic HOOF {*turuBu-n ~ *tuBura(y)} ≈ Turkic NAIL {*dirna-k}
 Mongolic I1 (dir. or gen.) {*bi} = Turkic I1 (dir. or gen.) {*bi ~ *be-n}
 Mongolic KILL {*ala-} = Turkic KILL {*öl-(t)ür-}
 Mongolic LICK (vb.) {*doluBa-} = Turkic LICK (vb.) {*da:l-(g)a-}
 Mongolic LONG {*urtu} = Turkic LONG {*ur-i-n}
 Mongolic LOW(ER) {*doBu-} ≈ Turkic BOTTOM {*dü:p}
 Mongolic LUNG {*aBuski} = Turkic LUNG {*öpke}
 Mongolic MANY {*olon} ≈ Turkic BIG {*ulu-g}
 Mongolic MORNING {*ür-lüge} = Turkic MORNING {*er}
 Mongolic NEST {*FeBür} ≈ Turkic HOUSE {*Feb}
 Mongolic PAINT (vb.) {*budu-} = Turkic PAINT (vb.) {*bodo-}
 Mongolic PERSON {*kümün} ≈ Turkic WHO {*kem}
 Mongolic PRESS (vb.)* {*sika-} = Turkic PRESS (vb.)* {*sik-}
 Mongolic RIPE {*bol-} = Turkic RIPE {*bilč-}

Mongolic SALIVA {*silö-sü} = Turkic SALIVA {*silü-key #}
 Mongolic SEARCH {*eri-} = Turkic SEARCH {*ir-te- ~ *ir-te-}
 Mongolic SINEW* {*sinda-su #} = Turkic SINEW {*sinir}
 Mongolic SKY {*teŋgeri} = Turkic SKY {*teŋri}
 Mongolic SPLEEN {*deli-Bün} = Turkic SPLEEN {*d(i)a:l-}
 Mongolic STRONG {*küči-} = Turkic STRONG {*gü:č-}
 Mongolic SUCK {*soru-} = Turkic SUCK* {*so:r-}
 Mongolic SWEEP (vb.) {*siBür-} = Turkic SWEEP (vb.) {*sipür-}
 Mongolic TEAR1 (vb.) {*ur-} = Turkic TEAR1 (vb.) {*ür-}
 Mongolic THOU1 (dir.) {*či} = Turkic THOU1 (dir.) {*si ~ *se-n}
 Mongolic THOU2 (indir.) {*či-n} = Turkic THOU2 (indir.) {*se-n}
 Mongolic TREMBLE {*silgü-Be- ~ *silgü-d-} ≈ Turkic SHAKE {*sil-k-}
 Mongolic TWINS {*ekire} = Turkic TWINS {*ək(k)i-ř}
 Mongolic UDDER {*delen} = Turkic UDDER {*dēlin}
 Mongolic UNDERSTAND {*uka-} = Turkic UNDERSTAND* {*uk-}
 Mongolic UP(PER) {*deBe-} ≈ Turkic TOP {*tepö}
 Mongolic WAIST {*belkeBü} = Turkic WAIST {*be:l(k)}
 Mongolic WARM {*dula-Ban} = Turkic WARM {*dīli-g}
 Mongolic WE1 (excl., pl., dir., or gen.) {*ba} = Turkic WE1 (excl., pl., dir., or gen.) {*bi-ř}
 Mongolic WORM {*koro-kai} = Turkic WORM {*Kurt}
 Mongolic YELLOW {*sira} = Turkic YELLOW {*siarig}

*** Tungusic : Turkic (37)***

Tungusic BACK1 (dorsum) {*arka-n} = Turkic BACK1 (dorsum) {*arka}

Tungusic BEAR1 (child) {*bal-di-} ≈ Turkic CHILD {*ba:la}

Tungusic BREATHE {*eri-} ≈ Turkic BLOW {*ür-}
 Tungusic BROTHER {*akü-n} = Turkic BROTHER {(i)a:ka}
 Tungusic BURN2 (tr.) {*deg-že-gi-} = Turkic BURN2 (tr.) {*đak-}
 Tungusic COLD {*gils-i-} ≈ Turkic WINTER {*Kıl}
 Tungusic DREAM (n.) {*tolki-n} = Turkic DREAM (n.) {*dü:l}
 Tungusic DRINK {*um(i)-} ≈ Turkic SUCK {*em-}
 Tungusic EARTH1 (soil) {*tu:rV #} ≈ Turkic DUST {*to:r}
 Tungusic FACE {*de:re} = Turkic FACE {*dü:r}
 Tungusic FEATHER {*dek-te-} = Turkic FEATHER {*tü:k}
 Tungusic FIRE {*toga} ≈ Turkic BURN2 {*đak-}
 Tungusic FLY1 (vb.) {*deg-} ≈ Turkic FEATHER {*tü:k}
 Tungusic FORGET {*omŋo- (< *om-ga-?)} = Turkic FORGET {*uma(-)n-(it-)}
 Tungusic I1 (dir. or gen.) {*bi} = Turkic I1 (dir. or gen.) {*bi ~ *be-n}
 Tungusic LIVER {*pa:kin} = Turkic LIVER {*biagir}
 Tungusic MOTHER {*eŋ-} = Turkic MOTHER {*ana ~ *epe}
 Tungusic NEAR (adj.) {*daga} = Turkic NEAR (adj.) {*đagu-k}
 Tungusic NEST {*pubi} ≈ Turkic HOUSE {*Feb}
 Tungusic OUTSIDE (n.) {*tuli:-} = Turkic OUTSIDE (n.) {*dal}
 Tungusic RAIN1 (n.) {*tüg-de} = Turkic RAIN1 (n.) {*đag-mur}
 Tungusic RIGHT (adj.) {*a:ŋgi-} = Turkic RIGHT (adj.) {*oŋ}
 Tungusic SALIVA {*žali-ksa} = Turkic SALIVA {*silü-key #}
 Tungusic SEED {*üse} ≈ Turkic GROW {*ös-}
 Tungusic SLEEP {*a:w-} = Turkic SLEEP {*u:-}
 Tungusic SNEEZE {*iag-si-} = Turkic SNEEZE {*aksir- ~ *askir-}
 Tungusic SOUR {*žuyi-r ~ *žuyi-si-} ≈ Turkic RAW {*čiy-ik}

Tungusic SPIT (vb.) {*tupi-} = Turkic SPIT (vb.) {*tüp-k-ür-}
 Tungusic THOU1 (dir.) {*si} = Turkic THOU1 (dir.) {*si ~ *se-n}
 Tungusic THOU2 (indir.) {*si-n} = Turkic THOU2 (indir.) {*se-n}
 Tungusic TREMBLE {*silgü-} ≈ Turkic SHAKE {*sil-k-}
 Tungusic UDDER {*ža(i)ža-} ≈ Turkic BREAST {*čiči- #}
 Tungusic VOMIT {*xüse-} = Turkic VOMIT {*Kus-}
 Tungusic WE1 (excl., pl., dir., or gen.) {*bu(e)} = Turkic WE1 (excl., pl., dir., or gen.) {*bi-ř}
 Tungusic WHO {*ŋü:} ≈ Turkic WHAT {*ne:}
 Tungusic YOU (pl.) {*su(e)} = Turkic YOU (pl.) {*si-ř}

*** Tungusic : Mongolic (55)***

Tungusic AXE {*suke} = Mongolic AXE {*süke }
 Tungusic BACK1 (dorsum) {*arka-n} = Mongolic BACK1 (dorsum) {*aru}
 Tungusic BAD {*us(a)} ≈ Mongolic SMALL {*öcü-ken}
 Tungusic BE {*bi- } = Mongolic BE {*büyi-}
 Tungusic BOTTOM {*pere} = Mongolic BOTTOM {*FirV-}
 Tungusic BROTHER {*akü-n} = Mongolic BROTHER {*aka}
 Tungusic DANCE {*pe:že-} = Mongolic DANCE {*böži-}
 Tungusic EAR {*sian} ≈ Mongolic HEAR {*sono-s-}
 Tungusic EAT {*žep-} ≈ Mongolic BITE {*žaBu-}
 Tungusic EGG {*umu:-kta} = Mongolic EGG {*ömde-ge ~ *emdü-ge}
 Tungusic EMPTY {*gebu-} = Mongolic EMPTY {*koBu-sun}
 Tungusic FAT2 {*dira-m} = Mongolic FAT2 {*targu-n}
 Tungusic FORGET {*omŋo- (< *om-ga-?)} = Mongolic FORGET {*umar-ta-}
 Tungusic GATHER (tr.) {*tab-} = Mongolic GATHER (tr.) {*teBü- }

Tungusic HEAD {*dili} = Mongolic HEAD {*tolugai}
 Tungusic I1 (dir. or gen.) {*bi} = Mongolic I1 (dir. or gen.) {*bi}
 Tungusic I2 (indir.) {*mi-n} = Mongolic I2 (indir.) {*mi-n-}
 Tungusic LAUGH (vb.) {*iŋe-} = Mongolic LAUGH (vb.) {*iniye- ~ *Finiye-}
 Tungusic LEAF {*xabda-nsa} ≈ Mongolic FLAT {*kabta-gay}
 Tungusic LIGHT2 (in weight) {*xepüm} = Mongolic LIGHT2 (in weight) {*köŋ-gen}
 Tungusic LOW(ER) {*per-gi:} ≈ Mongolic BOTTOM {*FirV-}
 Tungusic MOUTH {*amŋa} = Mongolic MOUTH {*ama-n}
 Tungusic NEST {*pubi} = Mongolic NEST {*FeBür}
 Tungusic PALM {*palŋa} = Mongolic PALM {*Fala-ga(n)}
 Tungusic PRESS (vb.) {*tire:-} = Mongolic PRESS (vb.) {*daru-}
 Tungusic RED {*pula-} = Mongolic RED {*Fula-Ban}
 Tungusic RIB {*xeb-ti-le} = Mongolic RIB {*kabir-}
 Tungusic ROAST (vb.) {*dalga-} ≈ Mongolic BURN2 {*tüle-}
 Tungusic SALIVA {*žali-ksa} = Mongolic SALIVA {*silö-sü}
 Tungusic SAND {*siru-} ≈ Mongolic EARTH1 {*siru-Bai}
 Tungusic SEE {*iče-} = Mongolic SEE {*üže-}
 Tungusic SEED {*üse} ≈ Mongolic GROW {*ös-}
 Tungusic SHOOT (arrow) {*garpa-} = Mongolic SHOOT (arrow) {*karbu-}
 Tungusic SHOULDER {*mü:re} = Mongolic SHOULDER {*mörü}
 Tungusic SHOW (vb.) {*iče-b-ken-} = Mongolic SHOW (vb.) {*üže-ge-}
 Tungusic SISTER {*eKe} = Mongolic SISTER {*egeče}
 Tungusic SMELL (n.)* {*puŋ} = Mongolic SMELL (n.) {*Fün-ir}
 Tungusic SNAKE {*mü:ki} = Mongolic SNAKE {*mogay}
 Tungusic STOMACH {*gudi(ge) #} = Mongolic STOMACH {*gede-sün}

Tungusic STONE {*žolo} = Mongolic STONE {*čila-Bu}
 Tungusic SWELL (vb.) {*xabul(i)-} = Mongolic SWELL (vb.) {*kabV-d-}
 Tungusic THAT2 (distal) {*ta-} = Mongolic THAT2 (distal) {*te-re}
 Tungusic THIS {*e-} = Mongolic THIS {*e-ne}
 Tungusic THOU1 (dir.) {*si} = Mongolic THOU1 (dir.) {*či}
 Tungusic THOU2 (indir.) {*si-n} = Mongolic THOU2 (indir.) {*či-n}
 Tungusic TONGUE {*xilŋü} = Mongolic TONGUE {*kele}
 Tungusic TOP {*pora-n} = Mongolic TOP {*For-}
 Tungusic TREMBLE {*silgü-} = Mongolic TREMBLE {*silgü-Be- ~ *silgü-d-}
 Tungusic WAIT {*xala:-} = Mongolic WAIT {*küli-}
 Tungusic WE1 (excl., pl., dir., or gen.) {*bu(e)} = Mongolic WE1 (excl., pl., dir., or gen.) {*ba}
 Tungusic WE2 (incl., du., or indir.) {*mü-n-ti} ≈ Mongolic I2 {*mi-n-}
 Tungusic WET* {*čip-(ka)} ≈ Mongolic DEW {*siBü-der}
 Tungusic WHAT {*xia ~ *xai} ≈ Mongolic WHO {*ke-n}
 Tungusic WHISPER (vb.) {*sibu-} = Mongolic WHISPER (vb.) {*sibi-}
 Tungusic YOU (pl.) {*su(e)} ≈ Mongolic THOU1 {*či}

Additional test case: automated matches with Chuckchee-Koryak

*** Chukchee-Koryak : Turkic (22)***

Chukchee-Koryak BROTHER* {*əninä-ləən} = Turkic BROTHER* {*ini ~ *(F)ini}

Chukchee-Koryak BURN2 (tr.) {*dənləv-ät} ≈ Turkic BURN1 {*đan-}

Chukchee-Koryak CLOSE {*top-} = Turkic CLOSE* {*dap-}

Chukchee-Koryak COLD {*čəq-} = Turkic COLD {*sogı-k}

Chukchee-Koryak DRY (adj.) {*kəryə-} = Turkic DRY (adj.) {*Ku:ri-}

Chukchee-Koryak EAT {*đu- ~ *nu-} = Turkic EAT {*de:-}

Chukchee-Koryak EDGE {*dəqä } ≈ Turkic NEAR {*đagu-k}

Chukchee-Koryak END (vb.) {*təku- ~ *pələ=tku-} = Turkic END (vb.)* {*tüke-}

Chukchee-Koryak FATHER {*ətləy-ən} = Turkic FATHER {*ata}

Chukchee-Koryak HAIR2 {*dəy-əy} = Turkic HAIR2 {*tü:k}

Chukchee-Koryak HARD (of subst.) {*kət-} = Turkic HARD (of subst.) {*Kaṭ-ik}

Chukchee-Koryak HEAR {*valom- } ≈ Turkic KNOW {*bil-}

Chukchee-Koryak KISS (vb.) {*uvv-ät- } = Turkic KISS (vb.) {*öp-}

Chukchee-Koryak MAN (male) {*qəlavol} ≈ Turkic PERSON {*kiłi}

Chukchee-Koryak POUR {*təɣ- ~ *təq-} = Turkic POUR {*dök-}

Chukchee-Koryak PUT (down) {*dəđđil- } ≈ Turkic LIE {*đat-}

Chukchee-Koryak ROAST (vb.) {*dəən=tuq-ät- # } ≈ Turkic BURN2 {*đak-}

Chukchee-Koryak RUN (vb.) {*dəkəl-av- } = Turkic RUN (vb.) {*dügür-}

Chukchee-Koryak SON {*äkäk} = Turkic SON {*ogul}

Chukchee-Koryak STRONG {*kätyu- } ≈ Turkic HARD {*Kaṭ-ik}

Chukchee-Koryak SWALLOW (vb.) {*titq-ät-} = Turkic SWALLOW (vb.) {*đu:t-}

Chukchee-Koryak TAKE {*piri-} ≈ Turkic GIVE {*be:r-}

*** Chukchee-Koryak : Mongolic (16) ***

Chukchee-Koryak ANIMAL (= beast) {*γərnɨk} = Mongolic ANIMAL (= beast) {*göreBe(-sün) #}

Chukchee-Koryak ASHES {*piŋ-piŋ} = Mongolic ASHES {*Füne-sün}

Chukchee-Koryak BIND (= tie) {*kəltə-} = Mongolic BIND (= tie) {*küli-}

Chukchee-Koryak BODY {*uviki} ≈ Mongolic SELF {*öBer}

Chukchee-Koryak DUST {*piŋ-piŋ #} ≈ Mongolic ASHES {*Füne-sün}

Chukchee-Koryak END (vb.) {*təku- ~ *pələ=tku-} = Mongolic END (vb.) {*tögüs-}

Chukchee-Koryak FREEZE {*qitə-} ≈ Mongolic COLD {*köyite-n}

Chukchee-Koryak HANG (intr.) {*ilŋ-iq-ät- } = Mongolic HANG (intr.) {*elgü-}

Chukchee-Koryak HARD (of subst.) {*kət- } = Mongolic HARD (of subst.) {*kata-Bu}

Chukchee-Koryak LEAVE (tr.) {*pela- } = Mongolic LEAVE (tr.) {*Füle-}

Chukchee-Koryak PERSON {*ɮuyä-mtä-wi-ɮə-n} ≈ Mongolic WHO {*ke-n}

Chukchee-Koryak SELF {*uviki } = Mongolic SELF {*öBer}

Chukchee-Koryak SKIN (human) {*kəlyə} ≈ Mongolic BARK1 {*kali-sun}

Chukchee-Koryak STAY (= remain) {*pəla- } = Mongolic STAY (= remain) {*Füle-de-}

Chukchee-Koryak STRONG {*kätyu- } ≈ Mongolic HARD {*kata-Bu}

Chukchee-Koryak TAKE {*piri-} ≈ Mongolic CATCH {*bari- }

*** Chukchee-Koryak : Tungusic (17) ***

Chukchee-Koryak ASK {pəŋlo-} = Tungusic ASK {*panŋu:-}

Chukchee-Koryak HAIR2 {*dəy-ðəy} ≈ Tungusic FEATHER {*dek-te-}

Chukchee-Koryak HIT (vb.) {*dəkəplə- # } = Tungusic HIT (vb.) {*dug-}

Chukchee-Koryak JUMP (vb.)* {*təyā-ytə- } ≈ Tungusic FLY1 {*deg-}

Chukchee-Koryak MARROW {*qəməla} = Tungusic MARROW {*xuma:-}

Chukchee-Koryak NAVEL {*kil-kil} = Tungusic NAVEL {*xulŋu-}
 Chukchee-Koryak NOT1 (indic.) {*ä-} = Tungusic NOT1 (indic.) {*e-}
 Chukchee-Koryak NOT2 (prohib.) {*ä- } = Tungusic NOT2 (prohib.) {*e-}
 Chukchee-Koryak OLD2 (of people) {*ənpə-} ≈ Tungusic YEAR {*aŋŋa}
 Chukchee-Koryak PULL (vb.) {*tiŋu- } = Tungusic PULL (vb.) {*ta:n-}
 Chukchee-Koryak ROAST (vb.) {*ðən=tuq-ät- # } ≈ Tungusic BURN2 {*deg-že-gi-}
 Chukchee-Koryak ROOT {*kinmä} ≈ Tungusic VEIN {*xun̄i:-kta}
 Chukchee-Koryak RUN (vb.) {*ðəkəl-av- } ≈ Tungusic FLY1 {*deg-}
 Chukchee-Koryak SHOOT (arrow) {(le)qäyn-äv-} ≈ Tungusic ARROW {*luki: ~ *leki:}
 Chukchee-Koryak THROAT {*pilyə-n} = Tungusic THROAT {*bilga}
 Chukchee-Koryak WATER {*miməl ~ *iməl} ≈ Tungusic RIVER {*mamŋu}
 Chukchee-Koryak WIND {*kətəyγ-ən} = Tungusic WIND {*xedü-n}